



**Environmental
Laboratories Corporation**



111 Herrick Street, Merrimack, NH 03054
TEL: (603) 424-2022 · FAX: (603) 429-8496

January 03, 2001

Tim Dame
GEI Consultants, Inc.
1021 Main Street
Winchester, MA 01890
TEL: (781) 721-4000
FAX (781) 721-4073

RE: Canton (MDC) 00291

Order No.: 0012061

Dear Tim Dame:

AMRO Environmental Laboratories Corp. received 7 samples on 12/6/00 for the analyses presented in the following report.

AMRO operates a Quality Assurance Program which meets or exceeds EPA and state requirements. A copy of the appropriate State Certificate is attached. The enclosed Sample Receipt Checklist details the condition of your sample(s) upon receipt. Please see the enclosed Case Narrative for quality control deviations that were encountered during the analyses associated with this project.

Please be advised that any unused sample volume and sample extracts will be stored for a period of thirty (30) days from this report date. After this time, AMRO will properly dispose of the remaining sample(s). If you require further analysis, or need the samples held for a longer period, please contact us immediately.

This letter is an integral part of your data report. If you have any questions regarding this project in the future, please refer to the Order Number above.

Sincerely,

A handwritten signature in cursive script, appearing to read "Nancy Stewart".

Nancy Stewart
Vice President / Lab Director

WORK ORDER SAMPLE SUMMARY

AMRO Environmental Laboratories Corp.

Date: 21-Dec-00

CLIENT: GEI Consultants, Inc.

Project: Canton (MDC) 00291

Lab Order: 0012061

Date Received: 12/6/00

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Collection Date
0012061-01A	W-1	12/5/00
0012061-01B	W-1	12/5/00
0012061-01C	W-1	12/5/00
0012061-01D	W-1	12/5/00
0012061-01E	W-1	12/5/00
0012061-02A	W-5	12/5/00
0012061-02B	W-5	12/5/00
0012061-02C	W-5	12/5/00
0012061-02D	W-5	12/5/00
0012061-02E	W-5	12/5/00
0012061-03A	W-6	12/5/00
0012061-03B	W-6	12/5/00
0012061-03C	W-6	12/5/00
0012061-03D	W-6	12/5/00
0012061-03E	W-6	12/5/00
0012061-04A	W-10	12/5/00
0012061-04B	W-10	12/5/00
0012061-04C	W-10	12/5/00
0012061-04D	W-10	12/5/00
0012061-04E	W-10	12/5/00
0012061-05A	W-11	12/5/00
0012061-05B	W-11	12/5/00
0012061-05C	W-11	12/5/00
0012061-05D	W-11	12/5/00
0012061-05E	W-11	12/5/00
0012061-06A	Trip Blank	12/5/00
0012061-07A	Debris	12/4/00

Lab Order: 0012061
Client: GEI Consultants, Inc.
Project: Canton (MDC) 00291

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0012061-01A	W-1	12/5/00	Aqueous	VOLATILES by GC/MS		12/15/00	12/15/00
0012061-01B				Volatile Petroleum Hydrocarbons		12/11/00	12/12/00
0012061-01C				EPH, Water, Full List		12/12/00	12/13/00
0012061-01D				PCBS IN WATER		12/11/00	12/12/00
0012061-01E				ARSENIC, Dissolved		12/12/00	12/14/00
				ICP METALS, DISSOLVED		12/12/00	12/13/00
				LEAD, Dissolved		12/12/00	12/15/00
				MERCURY, Dissolved		12/13/00	12/13/00
				SELENIUM, Dissolved		12/12/00	12/14/00
0012061-02A	W-5			VOLATILES by GC/MS		12/15/00	12/15/00
0012061-02B				Volatile Petroleum Hydrocarbons		12/11/00	12/12/00
0012061-02C				EPH, Water, Full List		12/12/00	12/13/00
0012061-02D				PCBS IN WATER		12/11/00	12/12/00
0012061-02E				ARSENIC, Dissolved		12/12/00	12/14/00
				ICP METALS, DISSOLVED		12/12/00	12/13/00
				LEAD, Dissolved		12/12/00	12/15/00
				MERCURY, Dissolved		12/13/00	12/13/00
				SELENIUM, Dissolved		12/12/00	12/14/00
0012061-03A	W-6			VOLATILES by GC/MS		12/15/00	12/15/00
0012061-03B				Volatile Petroleum Hydrocarbons		12/11/00	12/12/00
0012061-03C				EPH, Water, Full List		12/12/00	12/13/00
0012061-03D				PCBS IN WATER		12/11/00	12/12/00
0012061-03E				ARSENIC, Dissolved		12/12/00	12/14/00
				ICP METALS, DISSOLVED		12/12/00	12/13/00
				LEAD, Dissolved		12/12/00	12/19/00
				MERCURY, Dissolved		12/13/00	12/13/00
				SELENIUM, Dissolved		12/12/00	12/14/00
0012061-04A	W-10			VOLATILES by GC/MS		12/15/00	12/15/00

Lab Order: 0012061
Client: GEI Consultants, Inc.
Project: Canton (MDC) 00291

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0012061-04B	W-10	12/5/00	Aqueous	Volatile Petroleum Hydrocarbons		12/11/00	12/12/00
0012061-04C				EPH, Water, Full List		12/12/00	12/13/00
0012061-04D				PCBS IN WATER		12/11/00	12/12/00
0012061-04E				ARSENIC, Dissolved		12/12/00	12/14/00
				ICP METALS, DISSOLVED		12/12/00	12/13/00
				LEAD, Dissolved		12/12/00	12/15/00
				MERCURY, Dissolved		12/13/00	12/13/00
				SELENIUM, Dissolved		12/12/00	12/14/00
0012061-05A	W-11			VOLATILES by GC/MS		12/16/00	12/16/00
0012061-05B				Volatile Petroleum Hydrocarbons		12/11/00	12/12/00
0012061-05C				EPH, Water, Full List		12/12/00	12/13/00
0012061-05D				PCBS IN WATER		12/11/00	12/12/00
0012061-05E				ARSENIC, Dissolved		12/12/00	12/14/00
				ICP METALS, DISSOLVED		12/12/00	12/13/00
				LEAD, Dissolved		12/12/00	12/15/00
				MERCURY, Dissolved		12/13/00	12/13/00
	SELENIUM, Dissolved		12/12/00	12/14/00			
0012061-06A	Trip Blank	12/4/00	Soil	VOLATILES by GC/MS		12/16/00	12/16/00
0012061-07A	Debris			PCBS IN SOIL/SOLIDS		12/11/00	12/13/00
				Percent Moisture			12/12/00

CHAIN-OF-CUSTODY

Project Name and Number:

Canton (MDC) 00291

Samplers:

A. Stone P. Silva

Preservative

HCl HCl HCl - HNO₃

Analysis

VOC VPH EPH PCB D. Metals & A.P.A.

Remarks

Station No.	Date	Time (hours)	Matrix	Sample Number	No. of Containers	VOC	VPH	EPH	PCB	D. Metals & A.P.A.	Remarks
W-1	12/5	1445	Water	00291-W1	9	X	X	X	X	X	
W-5	12/5	1045	water	00291-W5	9	X	X	X	X	X	
W-6	12/5	1235	water	00291-W6	9	X	X	X	X	X	
W-10	12/5	1615	Water	00291-W10	9	X	X	X	X	X	
W-11	12/5	1600	water	00291-W11	9	X	X	X	X	X	
Trip Blank	12/5		water		1	✓	✓	✓	✓	✓	
	12/4	10:15	debris	00291-debris	1						Call Tim Dame for how to prep. for analysis.

TAT:

24 hr

48 hr

72 hr

Normal

Relinquished by:

A. Stone

Date/Time:

12/5 | 1742

Received by:

Sample fridge

Relinquished by:

A. Stone

Date/Time:

12/6/00 11:30

Received by:

Constance Cearley

Relinquished by:

Date/Time:

1

Received by:

Relinquished by:

Date/Time:

12/6/00 12:30

Received for Laboratory by:

Constance Cearley

Method of Shipment:

Lab courier

Remarks:

SAMPLE RECEIPT CHECKLIST

SAMPLE RECEIPT CHECKLIST

Client: GEI

AMRO ID:

18061

(603) 424-2020

Project Name: San Bruno (MD) COB91

Date Recd:

12/16Ship via: (circle one) Fed Ex, UPS, AMRO Courier

Date Due:

12/18

Hand Del., Other Courier, Other:

Items to be Checked Upon Receipt

Yes	No	NA	Comments
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1. Army Samples received in individual plastic bags?

2. Custody Seals present?

3. Custody Seals intact?

4. Air Bill included in folder if received?

5. Is COC included with samples?

6. Is COC signed and dated by client?

7. Laboratory receipt temperature.

8. Were samples received the same day they were sampled?

9. Is client temperature $4^{\circ}\text{C} \pm 2^{\circ}\text{C}$?

If no obtain authorization from the client for the analyses.

Client authorization from: _____ Date: _____

Obtained by: _____

10. Does the info on the COC match the samples?

11. Were samples rec. within holding time?

12. Were all samples properly labeled?

13. Were all samples properly preserved?

14. Were proper sample containers used?

15. Were all samples received intact? (none broken or leaking)

16. Were VOA vials rec. with no air bubbles?

17. Were the sample volumes sufficient for requested analysis?

18. Were all samples received?

19. VPH and VOA Soils only:

Sampling Method VPH (circle one): M=Methanol, E=EnCore (air-tight container)

Sampling Method VOA (circle one): M=Methanol, SB=Sodium Bisulfate, E=EnCore, B=Bulk

If M or SB:

Does preservative cover the soil?

If NO then client must be faxed.

Does preservation level come close to the fill line on the vial?

If NO then client must be faxed.

Were vials provided by AMRO?

If NO then weights MUST be obtained from client

Was dry weight aliquot provided?

If NO then fax client and inform the VOA lab ASAP.

20. Subcontracted Samples:

What samples sent:

Where sent:

Date:

Analysis:

TAT:

21. Information entered into:

Internal Tracking Log?

Dry Weight Log?

Client Log?

Composite Log?

Filtration Log?

Received By: CB Date: 12/16Labeled By: ST Date: 12/18Logged in By: STChecked By: MCDate: 12/18/00Date: 12/18/00

NA= Not Applicable

111 Herrick Street
Merrimack, NH 03054
(603) 424-2022

Sample= Soil

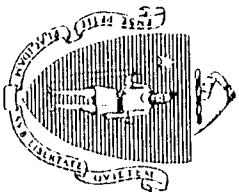
111 Herrick Street
Merrimack, NH 03054
(603) 424-2022

qc/qcmemos/forms/sampler.ec Rev. 18 06/00

Date:

STATE CERTIFICATE

The Commonwealth of Massachusetts



Department of Environmental Protection Division of Environmental Analysis Senator William X. Wall Experiment Station

certifies

M-NH012 AMRO ENVIRONMENTAL LAB
111 HERRICK ST
MERRIMACK, NH 03054-0000

Laboratory Director: Nancy Stewart

*for the analysis of NON POTABLE WATER (CHEMISTRY)
POTABLE WATER (CHEMISTRY)*

pursuant to 310 CMR 42.00

*This certificate supersedes all previous Massachusetts certificates issued to this laboratory.
The laboratory is regulated by and shall be responsible for being in compliance with
Massachusetts regulations at 310 CMR 42.00.*

*This certificate is valid only when accompanied by the latest dated Certified Parameter List
as issued by the Massachusetts D.E.P. Contact the Division of Environmental Analysis to
verify the current certification status of the laboratory.*

*Certification is no guarantee of the validity of the data. This certification is subject to
unannounced laboratory inspections.*

A handwritten signature in cursive script, reading "Dean D. Savard".

*Issued: 01 JUL 2000
Expires: 30 JUN 2001*

Director, Division of Environmental Analysis

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 20 DEC 2000

M-NH012 AMRO ENVIRONMENTAL LAB
MERRIMACK NH

NON POTABLE WATER (CHEMISTRY)

Effective Date 20 DEC 2000
Expiration Date 30 JUN 2001

<u>Analyte</u>	<u>Method</u>
ALDRIN	
ALUMINUM	
AMMONIA-N	
ANTIMONY	
ARSENIC	
BERYLLIUM	
BIOCHEMICAL OXYGEN DEMAND	
CADMIUM	
CALCIUM	
CHEMICAL OXYGEN DEMAND	
CHLORDANE	
CHLORIDE	
CHROMIUM	
COBALT	
COPPER	
DDD	
DDT	
DIELDRIN	
FLUORIDE	
HEPTACHLOR	
HEPTACHLOR EPOXIDE	
IRON	
KJELDAHL-N	
LEAD	
MAGNESIUM	
MANGANESE	
MERCURY	
MOLYBDENUM	
NICKEL	
NITRATE-N	
NON-FILTERABLE RESIDUE	
OIL AND GREASE	
ORTHOPHOSPHATE	
PH	
POLYCHLORINATED BIPHENYLS (OIL)	
POLYCHLORINATED BIPHENYLS (WATER)	
POTASSIUM	
SELENIUM	
SILVER	
SODIUM	
SPECIFIC CONDUCTIVITY	
STRONTIUM	

December 20, 2000

* Provisional Certification

Page 1 of 2

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 20 DEC 2000

M-NH012 AMRO ENVIRONMENTAL LAB
MERRIMACK NH

NON POTABLE WATER (CHEMISTRY)

Effective Date	20 DEC 2000	Expiration Date	30 JUN 2001
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Analyte

Method

SULFATE
THALLIUM
TOTAL ALKALINITY
TOTAL CYANIDE
TOTAL DISSOLVED SOLIDS
TOTAL HARDNESS (CaCO3)
TOTAL PHENOLICS
TOTAL PHOSPHORUS
TOTAL RESIDUAL CHLORINE
VOLATILE AROMATICS
VOLATILE HALOCARBONS
ZINC

POTABLE WATER (CHEMISTRY)

Effective Date	01 JUL 2000	Expiration Date	30 JUN 2001
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Analyte

Method

1,2-DIBROMO-3-CHLOROPROPANE
1,2-DIBROMOETHANE
ANTIMONY
ARSENIC
BARIUM
BERYLLIUM
CADMIUM
CALCIUM
CHROMIUM
COPPER
CYANIDE
FLUORIDE
LEAD
MERCURY
NICKEL
NITRATE-N
NITRITE-N
PH
RESIDUAL FREE CHLORINE
SELENIUM
SODIUM
* SULFATE
THALLIUM
TOTAL ALKALINITY
TOTAL DISSOLVED SOLIDS
TURBIDITY

CASE NARRATIVE

CASE NARRATIVE
0012061

GENERAL

1. No QC deviations were observed.

GC/MS-VOLATILES
WATER

1. The Matrix Spike (MS) and Matrix Spike Duplicate (MSD) were not analyzed on 12/16/00 due to instrument anomaly. However, The Laboratory Control Sample LCS-12/16/00 is provided.
2. No other QC deviations were observed.

MADEP-VPH
WATER

1. The method blank analyzed on 12/11/00 contained Naphthalene at 0.54µg/L below the reporting limit of 5.0µg/L.
2. The batch Matrix Spike (MS) and Matrix Spike Duplicate (MSD) was performed on sample 0012066-02A. All %R's and %RPD's were within laboratory control limits with the following exception:

2.1 The %R for Naphthalene was 137% outside the laboratory control limits (70-130%).

3. No other QC deviations were observed.

MADEP-EPH
WATER

1. Samples W-5 (0012061-02C) and W-6 (0012061-03C) had recoveries for the surrogate 1-Chlorooctadecane at 33.8% and 39.2% respectively outside the laboratory control limits (40-140%) possibly due to a sample emulsion formed during the extraction process.
2. No other QC deviations were observed.

**GC/ECD-PCB
WATER**

1. The Matrix Spike Duplicate was not performed due to insufficient sample volume. The Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCS) are provided.
2. No other QC deviations were observed.

**GC/ECD-PCB
SOIL**

1. The surrogate Decachlorobiphenyl recovered outside laboratory control limits (36-130%) in sample Debris (0012061-07A) at 464% due to sample specific chromatographic interference.
2. No other QC deviations were observed.

METALS – WATER

1. The batch Matrix Spike (MS) and Matrix Spike Duplicate (MSD) for Mercury were performed on sample (0012066-01C). The %R's for MS and MSD were outside the acceptance possibly due to matrix interference.
2. Laboratory Control Sample (LCS) recovery was within acceptance limits for all analytes.
3. No other QC deviations were observed.

Volatile Petroleum Hydrocarbons (VPH)
Massachusetts Department of Environmental Protection (MADEP)
Method 1.0 - January 1998
AMRO Modifications

This modification is based on the use of a purge and trap gas chromatography mass spectrometer (GC/MS) system to analyze samples for VPH. The hydrocarbon ranges are quantified using predominant mass fragmentation ions which are characteristic for the range being measured. This approach eliminates potential false positives for the target analytes while providing accurate hydrocarbon range data.

The chromatographic column is an HP-624 capillary column which has been validated by GC/MS analysis of a gasoline standard to correctly identify the marker compounds and elution order of specific gasoline components. Batch quality control includes, at a minimum, method blank, laboratory control sample, and duplicate analysis. A matrix spike and/or matrix spike duplicate is analyzed if sufficient sample is submitted to the laboratory.

The Reporting Limit (RL) of this method for each of the collective aliphatic and aromatic ranges is approximately 0.6-2.8 mg/kg in soil and 25-110 µg/L in water. The RL of this method for the target analytes ranges from approximately 0.05-0.13 mg/kg in soil and 2.0-5.0 µg/L for water samples.

Extractable Petroleum Hydrocarbons (EPH)
Massachusetts Department of Environmental Protection (MADEP)
Method 1.0 - January 1998
AMRO Modifications

This modification is based on a solvent extraction and gas chromatography mass spectrometer (GC/MS) analysis. The hydrocarbon ranges are quantified using predominant mass fragmentation ions which are characteristic for the range being measured. This approach eliminates the silica gel solid-phase fractionation step. False positives for targeted PAH analytes are eliminated by using GC/MS as the primary analysis technique.

The chromatographic column is a J&W Scientific DB-5ms capillary column. Internal standard calibration is performed using 5 α -Androstane at a concentration of 40 ng/µL. o-Terphenyl and 1-Chlorooctadecane are added as surrogate compounds at 20 ng/µL in the sample extract. These two surrogates monitor the effects of the sample matrix and extraction efficiency. Two additional surrogates, 2-Fluorobiphenyl and 2-Bromonaphthalene, are added to the finished extract prior to analysis to monitor instrument performance. Batch quality control includes, at a minimum, a procedure blank, laboratory control sample and duplicate sample analysis. A matrix spike is analyzed if sufficient sample is submitted to the laboratory.

The Reporting Limit (RL) of this method for each of the collective aliphatic and aromatic ranges is approximately 2-15 mg/kg in soil and 10-50 µg/L in water. The RL of this method for the Target PAH analytes ranges from approximately 0.25 to 0.5mg/kg in soil, 1.0µg/L for water when operating the GC/MS in full scan mode, and 0.1 to 1.0µg/L when operating the GC/MS in SIM mode. For sites requiring the lowest levels cited in the Massachusetts Contingency Plan for water, GC/MS in the Selected Ion Monitoring (SIM) mode is used.

GC/MS VOLATILES- WATER

SW-846 METHOD 8260B

SAMPLE RESULTS

AMRO Environmental Laboratories Corp.

Date: 21-Dec-00

CLIENT: GEI Consultants, Inc.
Lab Order: 0012061
Project: Canton (MDC) 00291
Lab ID: 0012061-01A

Client Sample ID: W-1
Collection Date: 12/5/00
Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS						
		SW8260B				Analyst: SK
Dichlorodifluoromethane	ND	5.0		µg/L	1	12/15/00 7:11:00 PM
Chloromethane	ND	5.0		µg/L	1	12/15/00 7:11:00 PM
Vinyl chloride	ND	2.0		µg/L	1	12/15/00 7:11:00 PM
Chloroethane	ND	5.0		µg/L	1	12/15/00 7:11:00 PM
Bromomethane	ND	5.0		µg/L	1	12/15/00 7:11:00 PM
Trichlorofluoromethane	ND	2.0		µg/L	1	12/15/00 7:11:00 PM
Acetone	ND	10		µg/L	1	12/15/00 7:11:00 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	12/15/00 7:11:00 PM
Carbon disulfide	ND	2.0		µg/L	1	12/15/00 7:11:00 PM
Methylene chloride	ND	5.0		µg/L	1	12/15/00 7:11:00 PM
Methyl tert-butyl ether	ND	2.0		µg/L	1	12/15/00 7:11:00 PM
trans-1,2-Dichloroethene	ND	2.0		µg/L	1	12/15/00 7:11:00 PM
1,1-Dichloroethane	ND	2.0		µg/L	1	12/15/00 7:11:00 PM
2-Butanone	ND	10		µg/L	1	12/15/00 7:11:00 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	12/15/00 7:11:00 PM
cis-1,2-Dichloroethane	ND	2.0		µg/L	1	12/15/00 7:11:00 PM
Chloroform	ND	2.0		µg/L	1	12/15/00 7:11:00 PM
Bromochloromethane	ND	2.0		µg/L	1	12/15/00 7:11:00 PM
1,1,1-Trichloroethane	ND	2.0		µg/L	1	12/15/00 7:11:00 PM
1,1-Dichloropropane	ND	2.0		µg/L	1	12/15/00 7:11:00 PM
Carbon tetrachloride	ND	2.0		µg/L	1	12/15/00 7:11:00 PM
1,2-Dichloroethane	ND	2.0		µg/L	1	12/15/00 7:11:00 PM
Benzene	ND	1.0		µg/L	1	12/15/00 7:11:00 PM
Trichloroethene	ND	2.0		µg/L	1	12/15/00 7:11:00 PM
1,2-Dichloropropane	ND	2.0		µg/L	1	12/15/00 7:11:00 PM
Bromodichloromethane	ND	2.0		µg/L	1	12/15/00 7:11:00 PM
Dibromomethane	ND	2.0		µg/L	1	12/15/00 7:11:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	12/15/00 7:11:00 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/15/00 7:11:00 PM
Toluene	ND	2.0		µg/L	1	12/15/00 7:11:00 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/15/00 7:11:00 PM
1,1,2-Trichloroethane	ND	2.0		µg/L	1	12/15/00 7:11:00 PM
1,2-Dibromoethane	ND	2.0		µg/L	1	12/15/00 7:11:00 PM
2-Hexanone	ND	10		µg/L	1	12/15/00 7:11:00 PM
1,3-Dichloropropane	ND	2.0		µg/L	1	12/15/00 7:11:00 PM
Tetrachloroethene	ND	2.0		µg/L	1	12/15/00 7:11:00 PM
Dibromochloromethane	ND	2.0		µg/L	1	12/15/00 7:11:00 PM
Chlorobenzene	ND	2.0		µg/L	1	12/15/00 7:11:00 PM
1,1,1,2-Tetrachloroethane	ND	2.0		µg/L	1	12/15/00 7:11:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

- See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: 21-Dec-00

CLIENT: GEI Consultants, Inc.
Lab Order: 0012061
Project: Canton (MDC) 00291
Lab ID: 0012061-01A

Client Sample ID: W-1
Collection Date: 12/5/00
Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Ethylbenzene	ND	2.0		µg/L	1	12/15/00 7:11:00 PM
m,p-Xylene	ND	2.0		µg/L	1	12/15/00 7:11:00 PM
o-Xylene	ND	2.0		µg/L	1	12/15/00 7:11:00 PM
Styrene	ND	2.0		µg/L	1	12/15/00 7:11:00 PM
Bromoform	ND	2.0		µg/L	1	12/15/00 7:11:00 PM
Isopropylbenzene	ND	2.0		µg/L	1	12/15/00 7:11:00 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/15/00 7:11:00 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/15/00 7:11:00 PM
Bromobenzene	ND	2.0		µg/L	1	12/15/00 7:11:00 PM
n-Propylbenzene	ND	2.0		µg/L	1	12/15/00 7:11:00 PM
2-Chlorotoluene	ND	2.0		µg/L	1	12/15/00 7:11:00 PM
4-Chlorotoluene	ND	2.0		µg/L	1	12/15/00 7:11:00 PM
1,3,5-Trimethylbenzene	ND	2.0		µg/L	1	12/15/00 7:11:00 PM
tert-Butylbenzene	ND	2.0		µg/L	1	12/15/00 7:11:00 PM
1,2,4-Trimethylbenzene	ND	2.0		µg/L	1	12/15/00 7:11:00 PM
sec-Butylbenzene	ND	2.0		µg/L	1	12/15/00 7:11:00 PM
4-Isopropyltoluene	ND	2.0		µg/L	1	12/15/00 7:11:00 PM
1,3-Dichlorobenzene	ND	2.0		µg/L	1	12/15/00 7:11:00 PM
1,4-Dichlorobenzene	ND	2.0		µg/L	1	12/15/00 7:11:00 PM
n-Butylbenzene	ND	2.0		µg/L	1	12/15/00 7:11:00 PM
1,2-Dichlorobenzene	ND	2.0		µg/L	1	12/15/00 7:11:00 PM
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	12/15/00 7:11:00 PM
1,2,4-Trichlorobenzene	ND	2.0		µg/L	1	12/15/00 7:11:00 PM
Hexachlorobutadiene	ND	2.0		µg/L	1	12/15/00 7:11:00 PM
Naphthalene	ND	5.0		µg/L	1	12/15/00 7:11:00 PM
1,2,3-Trichlorobenzene	ND	2.0		µg/L	1	12/15/00 7:11:00 PM
Surr. Dibromofluoromethane	96.8	88-120		%REC	1	12/15/00 7:11:00 PM
Surr. 1,2-Dichloroethane-d4	95.7	77-127		%REC	1	12/15/00 7:11:00 PM
Surr. Toluene-d8	97.6	88-109		%REC	1	12/15/00 7:11:00 PM
Surr. 4-Bromofluorobenzene	97.1	76-109		%REC	1	12/15/00 7:11:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
- See Case Narrative
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: 21-Dec-00

CLIENT: GEI Consultants, Inc.
Lab Order: 0012061
Project: Canton (MDC) 00291
Lab ID: 0012061-02A

Client Sample ID: W-5
Collection Date: 12/5/00
Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS						
		SW8260B				Analyst: SK
Dichlorodifluoromethane	ND	5.0	µg/L	1		12/15/00 7:46:00 PM
Chloromethane	ND	5.0	µg/L	1		12/15/00 7:46:00 PM
Vinyl chloride	ND	2.0	µg/L	1		12/15/00 7:46:00 PM
Chloroethane	ND	5.0	µg/L	1		12/15/00 7:46:00 PM
Bromomethane	ND	5.0	µg/L	1		12/15/00 7:46:00 PM
Trichlorofluoromethane	ND	2.0	µg/L	1		12/15/00 7:46:00 PM
Acetone	ND	10	µg/L	1		12/15/00 7:46:00 PM
1,1-Dichloroethene	ND	1.0	µg/L	1		12/15/00 7:46:00 PM
Carbon disulfide	ND	2.0	µg/L	1		12/15/00 7:46:00 PM
Methylene chloride	ND	5.0	µg/L	1		12/15/00 7:46:00 PM
Methyl tert-butyl ether	ND	2.0	µg/L	1		12/15/00 7:46:00 PM
trans-1,2-Dichloroethene	ND	2.0	µg/L	1		12/15/00 7:46:00 PM
1,1-Dichloroethane	ND	2.0	µg/L	1		12/15/00 7:46:00 PM
2-Butanone	ND	10	µg/L	1		12/15/00 7:46:00 PM
2,2-Dichloropropane	ND	2.0	µg/L	1		12/15/00 7:46:00 PM
cis-1,2-Dichloroethene	ND	2.0	µg/L	1		12/15/00 7:46:00 PM
Chloroform	ND	2.0	µg/L	1		12/15/00 7:46:00 PM
Bromochloromethane	ND	2.0	µg/L	1		12/15/00 7:46:00 PM
1,1,1-Trichloroethane	ND	2.0	µg/L	1		12/15/00 7:46:00 PM
1,1-Dichloropropene	ND	2.0	µg/L	1		12/15/00 7:46:00 PM
Carbon tetrachloride	ND	2.0	µg/L	1		12/15/00 7:46:00 PM
1,2-Dichloroethane	ND	2.0	µg/L	1		12/15/00 7:46:00 PM
Benzene	ND	1.0	µg/L	1		12/15/00 7:46:00 PM
Trichloroethene	ND	2.0	µg/L	1		12/15/00 7:46:00 PM
1,2-Dichloropropane	ND	2.0	µg/L	1		12/15/00 7:46:00 PM
Bromodichloromethane	ND	2.0	µg/L	1		12/15/00 7:46:00 PM
Dibromomethane	ND	2.0	µg/L	1		12/15/00 7:46:00 PM
4-Methyl-2-pentanone	ND	10	µg/L	1		12/15/00 7:46:00 PM
cis-1,3-Dichloropropene	ND	1.0	µg/L	1		12/15/00 7:46:00 PM
Toluene	ND	2.0	µg/L	1		12/15/00 7:46:00 PM
trans-1,3-Dichloropropene	ND	1.0	µg/L	1		12/15/00 7:46:00 PM
1,1,2-Trichloroethane	ND	2.0	µg/L	1		12/15/00 7:46:00 PM
1,2-Dibromoethane	ND	2.0	µg/L	1		12/15/00 7:46:00 PM
2-Hexanone	ND	10	µg/L	1		12/15/00 7:46:00 PM
1,3-Dichloropropane	ND	2.0	µg/L	1		12/15/00 7:46:00 PM
Tetrachloroethene	ND	2.0	µg/L	1		12/15/00 7:46:00 PM
Dibromochloromethane	ND	2.0	µg/L	1		12/15/00 7:46:00 PM
Chlorobenzene	ND	2.0	µg/L	1		12/15/00 7:46:00 PM
1,1,1,2-Tetrachloroethane	ND	2.0	µg/L	1		12/15/00 7:46:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
- See Case Narrative

RL - Reporting Limit, defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: 21-Dec-00

CLIENT: GEI Consultants, Inc.
Lab Order: 0012061
Project: Canton (MDC) 00291
Lab ID: 0012061-02A

Client Sample ID: W-5
Collection Date: 12/5/00
Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Ethylbenzene	ND	2.0		µg/L	1	12/15/00 7:46:00 PM
m,p-Xylene	ND	2.0		µg/L	1	12/15/00 7:46:00 PM
o-Xylene	ND	2.0		µg/L	1	12/15/00 7:46:00 PM
Styrene	ND	2.0		µg/L	1	12/15/00 7:46:00 PM
Bromoform	ND	2.0		µg/L	1	12/15/00 7:46:00 PM
Isopropylbenzene	ND	2.0		µg/L	1	12/15/00 7:46:00 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/15/00 7:46:00 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/15/00 7:46:00 PM
Bromobenzene	ND	2.0		µg/L	1	12/15/00 7:46:00 PM
n-Propylbenzene	ND	2.0		µg/L	1	12/15/00 7:46:00 PM
2-Chlorotoluene	ND	2.0		µg/L	1	12/15/00 7:46:00 PM
4-Chlorotoluene	ND	2.0		µg/L	1	12/15/00 7:46:00 PM
1,3,5-Trimethylbenzene	ND	2.0		µg/L	1	12/15/00 7:46:00 PM
tert-Butylbenzene	ND	2.0		µg/L	1	12/15/00 7:46:00 PM
1,2,4-Trimethylbenzene	ND	2.0		µg/L	1	12/15/00 7:46:00 PM
sec-Butylbenzene	ND	2.0		µg/L	1	12/15/00 7:46:00 PM
4-Isopropyltoluene	ND	2.0		µg/L	1	12/15/00 7:46:00 PM
1,3-Dichlorobenzene	ND	2.0		µg/L	1	12/15/00 7:46:00 PM
1,4-Dichlorobenzene	ND	2.0		µg/L	1	12/15/00 7:46:00 PM
n-Butylbenzene	ND	2.0		µg/L	1	12/15/00 7:46:00 PM
1,2-Dichlorobenzene	ND	2.0		µg/L	1	12/15/00 7:46:00 PM
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	12/15/00 7:46:00 PM
1,2,4-Trichlorobenzene	ND	2.0		µg/L	1	12/15/00 7:46:00 PM
Hexachlorobutadiene	ND	2.0		µg/L	1	12/15/00 7:46:00 PM
Naphthalene	ND	5.0		µg/L	1	12/15/00 7:46:00 PM
1,2,3-Trichlorobenzene	ND	2.0		µg/L	1	12/15/00 7:46:00 PM
Surr: Dibromofluoromethane	99.0	88-120		%REC	1	12/15/00 7:46:00 PM
Surr: 1,2-Dichloroethane-d4	94.9	77-127		%REC	1	12/15/00 7:46:00 PM
Surr: Toluene-d8	99.9	88-109		%REC	1	12/15/00 7:46:00 PM
Surr: 4-Bromofluorobenzene	100	76-109		%REC	1	12/15/00 7:46:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
- See Case Narrative
RL - Reporting Limit, defined as the lowest concentration the laboratory can accurately quantitate.

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

AMRO Environmental Laboratories Corp.

Date: 21-Dec-00

CLIENT: GEI Consultants, Inc.
Lab Order: 0012061
Project: Canton (MDC) 00291
Lab ID: 0012061-03A

Client Sample ID: W-6
Collection Date: 12/5/00
Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS						
		SW8260B				Analyst: SK
Dichlorodifluoromethane	ND	5.0	µg/L	1	12/15/00 8:21:00 PM	
Chloromethane	ND	5.0	µg/L	1	12/15/00 8:21:00 PM	
Vinyl chloride	ND	2.0	µg/L	1	12/15/00 8:21:00 PM	
Chloroethane	ND	5.0	µg/L	1	12/15/00 8:21:00 PM	
Bromomethane	ND	5.0	µg/L	1	12/15/00 8:21:00 PM	
Trichlorofluoromethane	ND	2.0	µg/L	1	12/15/00 8:21:00 PM	
Acetone	ND	10	µg/L	1	12/15/00 8:21:00 PM	
1,1-Dichloroethene	ND	1.0	µg/L	1	12/15/00 8:21:00 PM	
Carbon disulfide	ND	2.0	µg/L	1	12/15/00 8:21:00 PM	
Methylene chloride	ND	5.0	µg/L	1	12/15/00 8:21:00 PM	
Methyl tert-butyl ether	ND	2.0	µg/L	1	12/15/00 8:21:00 PM	
trans-1,2-Dichloroethene	ND	2.0	µg/L	1	12/15/00 8:21:00 PM	
1,1-Dichloroethane	ND	2.0	µg/L	1	12/15/00 8:21:00 PM	
2-Butanone	ND	10	µg/L	1	12/15/00 8:21:00 PM	
2,2-Dichloropropane	ND	2.0	µg/L	1	12/15/00 8:21:00 PM	
cis-1,2-Dichloroethene	ND	2.0	µg/L	1	12/15/00 8:21:00 PM	
Chloroform	ND	2.0	µg/L	1	12/15/00 8:21:00 PM	
Bromochloromethane	ND	2.0	µg/L	1	12/15/00 8:21:00 PM	
1,1,1-Trichloroethane	ND	2.0	µg/L	1	12/15/00 8:21:00 PM	
1,1-Dichloropropene	ND	2.0	µg/L	1	12/15/00 8:21:00 PM	
Carbon tetrachloride	ND	2.0	µg/L	1	12/15/00 8:21:00 PM	
1,2-Dichloroethane	ND	2.0	µg/L	1	12/15/00 8:21:00 PM	
Benzene	ND	1.0	µg/L	1	12/15/00 8:21:00 PM	
Trichloroethene	ND	2.0	µg/L	1	12/15/00 8:21:00 PM	
1,2-Dichloropropane	ND	2.0	µg/L	1	12/15/00 8:21:00 PM	
Bromodichloromethane	ND	2.0	µg/L	1	12/15/00 8:21:00 PM	
Dibromomethane	ND	2.0	µg/L	1	12/15/00 8:21:00 PM	
4-Methyl-2-pentanone	ND	10	µg/L	1	12/15/00 8:21:00 PM	
cis-1,3-Dichloropropene	ND	1.0	µg/L	1	12/15/00 8:21:00 PM	
Toluene	ND	2.0	µg/L	1	12/15/00 8:21:00 PM	
trans-1,3-Dichloropropene	ND	1.0	µg/L	1	12/15/00 8:21:00 PM	
1,1,2-Trichloroethane	ND	2.0	µg/L	1	12/15/00 8:21:00 PM	
1,2-Dibromoethane	ND	2.0	µg/L	1	12/15/00 8:21:00 PM	
2-Hexanone	ND	10	µg/L	1	12/15/00 8:21:00 PM	
1,3-Dichloropropane	ND	2.0	µg/L	1	12/15/00 8:21:00 PM	
Tetrachloroethene	ND	2.0	µg/L	1	12/15/00 8:21:00 PM	
Dibromochloromethane	ND	2.0	µg/L	1	12/15/00 8:21:00 PM	
~ Chlorobenzene	4.5	2.0	µg/L	1	12/15/00 8:21:00 PM	
1,1,1,2-Tetrachloroethane	ND	2.0	µg/L	1	12/15/00 8:21:00 PM	

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
- See Case Narrative

RL - Reporting Limit, defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: 21-Dec-00

CLIENT: GEI Consultants, Inc.
Lab Order: 0012061
Project: Canton (MDC) 00291
Lab ID: 0012061-03A

Client Sample ID: W-6
Collection Date: 12/5/00
Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Ethylbenzene	ND	2.0		µg/L	1	12/15/00 8:21:00 PM
m,p-Xylene	ND	2.0		µg/L	1	12/15/00 8:21:00 PM
o-Xylene	ND	2.0		µg/L	1	12/15/00 8:21:00 PM
Styrene	ND	2.0		µg/L	1	12/15/00 8:21:00 PM
Bromoform	ND	2.0		µg/L	1	12/15/00 8:21:00 PM
Isopropylbenzene	ND	2.0		µg/L	1	12/15/00 8:21:00 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/15/00 8:21:00 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/15/00 8:21:00 PM
Bromobenzene	ND	2.0		µg/L	1	12/15/00 8:21:00 PM
n-Propylbenzene	ND	2.0		µg/L	1	12/15/00 8:21:00 PM
2-Chlorotoluene	ND	2.0		µg/L	1	12/15/00 8:21:00 PM
4-Chlorotoluene	ND	2.0		µg/L	1	12/15/00 8:21:00 PM
1,3,5-Trimethylbenzene	ND	2.0		µg/L	1	12/15/00 8:21:00 PM
tert-Butylbenzene	ND	2.0		µg/L	1	12/15/00 8:21:00 PM
1,2,4-Trimethylbenzene	ND	2.0		µg/L	1	12/15/00 8:21:00 PM
sec-Butylbenzene	ND	2.0		µg/L	1	12/15/00 8:21:00 PM
4-Isopropyltoluene	ND	2.0		µg/L	1	12/15/00 8:21:00 PM
1,3-Dichlorobenzene	3.6	2.0		µg/L	1	12/15/00 8:21:00 PM
1,4-Dichlorobenzene	11	2.0		µg/L	1	12/15/00 8:21:00 PM
n-Butylbenzene	ND	2.0		µg/L	1	12/15/00 8:21:00 PM
1,2-Dichlorobenzene	ND	2.0		µg/L	1	12/15/00 8:21:00 PM
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	12/15/00 8:21:00 PM
1,2,4-Trichlorobenzene	ND	2.0		µg/L	1	12/15/00 8:21:00 PM
Hexachlorobutadiene	ND	2.0		µg/L	1	12/15/00 8:21:00 PM
Naphthalene	ND	5.0		µg/L	1	12/15/00 8:21:00 PM
1,2,3-Trichlorobenzene	ND	2.0		µg/L	1	12/15/00 8:21:00 PM
Surr: Dibromofluoromethane	98.4	88-120		%REC	1	12/15/00 8:21:00 PM
Surr: 1,2-Dichloroethane-d4	101	77-127		%REC	1	12/15/00 8:21:00 PM
Surr: Toluene-d8	98.3	88-109		%REC	1	12/15/00 8:21:00 PM
Surr: 4-Bromofluorobenzene	98.0	76-109		%REC	1	12/15/00 8:21:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
RL - Reporting Limit, defined as the lowest concentration the laboratory can accurately quantitate.

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
- See Case Narrative

AMRO Environmental Laboratories Corp.

Date: 21-Dec-00

CLIENT: GEI Consultants, Inc.
Lab Order: 0012061
Project: Canton (MDC) 00291
Lab ID: 0012061-04A

Client Sample ID: W-10
Collection Date: 12/5/00
Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS						
Dichlorodifluoromethane	ND	5.0	µg/L	1	Analyst: SK	12/15/00 8:55:00 PM
Chloromethane	ND	5.0	µg/L	1		12/15/00 8:55:00 PM
Vinyl chloride	ND	2.0	µg/L	1		12/15/00 8:55:00 PM
Chloroethane	ND	5.0	µg/L	1		12/15/00 8:55:00 PM
Bromomethane	ND	5.0	µg/L	1		12/15/00 8:55:00 PM
Trichlorofluoromethane	ND	2.0	µg/L	1		12/15/00 8:55:00 PM
Acetone	ND	10	µg/L	1		12/15/00 8:55:00 PM
1,1-Dichloroethene	ND	1.0	µg/L	1		12/15/00 8:55:00 PM
Carbon disulfide	ND	2.0	µg/L	1		12/15/00 8:55:00 PM
Methylene chloride	ND	5.0	µg/L	1		12/15/00 8:55:00 PM
Methyl tert-butyl ether	ND	2.0	µg/L	1		12/15/00 8:55:00 PM
trans-1,2-Dichloroethene	ND	2.0	µg/L	1		12/15/00 8:55:00 PM
1,1-Dichloroethane	ND	2.0	µg/L	1		12/15/00 8:55:00 PM
2-Butanone	ND	10	µg/L	1		12/15/00 8:55:00 PM
2,2-Dichloropropane	ND	2.0	µg/L	1		12/15/00 8:55:00 PM
cis-1,2-Dichloroethene	ND	2.0	µg/L	1		12/15/00 8:55:00 PM
Chloroform	ND	2.0	µg/L	1		12/15/00 8:55:00 PM
Bromochloromethane	ND	2.0	µg/L	1		12/15/00 8:55:00 PM
1,1,1-Trichloroethane	ND	2.0	µg/L	1		12/15/00 8:55:00 PM
1,1-Dichloropropene	ND	2.0	µg/L	1		12/15/00 8:55:00 PM
Carbon tetrachloride	ND	2.0	µg/L	1		12/15/00 8:55:00 PM
1,2-Dichloroethane	ND	2.0	µg/L	1		12/15/00 8:55:00 PM
Benzene	ND	1.0	µg/L	1		12/15/00 8:55:00 PM
Trichloroethene	ND	2.0	µg/L	1		12/15/00 8:55:00 PM
1,2-Dichloropropane	ND	2.0	µg/L	1		12/15/00 8:55:00 PM
Bromodichloromethane	ND	2.0	µg/L	1		12/15/00 8:55:00 PM
Dibromomethane	ND	2.0	µg/L	1		12/15/00 8:55:00 PM
4-Methyl-2-pentanone	ND	10	µg/L	1		12/15/00 8:55:00 PM
cis-1,3-Dichloropropene	ND	1.0	µg/L	1		12/15/00 8:55:00 PM
Toluene	ND	2.0	µg/L	1		12/15/00 8:55:00 PM
trans-1,3-Dichloropropene	ND	1.0	µg/L	1		12/15/00 8:55:00 PM
1,1,2-Trichloroethane	ND	2.0	µg/L	1		12/15/00 8:55:00 PM
1,2-Dibromoethane	ND	2.0	µg/L	1		12/15/00 8:55:00 PM
2-Hexanone	ND	10	µg/L	1		12/15/00 8:55:00 PM
1,3-Dichloropropane	ND	2.0	µg/L	1		12/15/00 8:55:00 PM
Tetrachloroethene	ND	2.0	µg/L	1		12/15/00 8:55:00 PM
Dibromochloromethane	ND	2.0	µg/L	1		12/15/00 8:55:00 PM
Chlorobenzene	ND	2.0	µg/L	1		12/15/00 8:55:00 PM
1,1,1,2-Tetrachloroethane	ND	2.0	µg/L	1		12/15/00 8:55:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
- See Case Narrative

RL - Reporting Limit, defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: 21-Dec-00

CLIENT: GEI Consultants, Inc.
Lab Order: 0012061
Project: Canton (MDC) 00291
Lab ID: 0012061-04A

Client Sample ID: W-10
Collection Date: 12/5/00
Matrix: AQUEOUS

Analyses	Result	RL	Qual Units	DF	Date Analyzed
Ethylbenzene	ND	2.0	µg/L	1	12/5/00 8:55:00 PM
m,p-Xylene	ND	2.0	µg/L	1	12/5/00 8:55:00 PM
o-Xylene	ND	2.0	µg/L	1	12/5/00 8:55:00 PM
Styrene	ND	2.0	µg/L	1	12/5/00 8:55:00 PM
Bromoform	ND	2.0	µg/L	1	12/5/00 8:55:00 PM
Isopropylbenzene	ND	2.0	µg/L	1	12/5/00 8:55:00 PM
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1	12/5/00 8:55:00 PM
1,2,3-Trichloropropane	ND	2.0	µg/L	1	12/5/00 8:55:00 PM
Bromobenzene	ND	2.0	µg/L	1	12/5/00 8:55:00 PM
n-Propylbenzene	ND	2.0	µg/L	1	12/5/00 8:55:00 PM
2-Chlorotoluene	ND	2.0	µg/L	1	12/5/00 8:55:00 PM
4-Chlorotoluene	ND	2.0	µg/L	1	12/5/00 8:55:00 PM
1,3,5-Trimethylbenzene	ND	2.0	µg/L	1	12/5/00 8:55:00 PM
tert-Butylbenzene	ND	2.0	µg/L	1	12/5/00 8:55:00 PM
1,2,4-Trimethylbenzene	ND	2.0	µg/L	1	12/5/00 8:55:00 PM
sec-Butylbenzene	ND	2.0	µg/L	1	12/5/00 8:55:00 PM
4-Isopropyltoluene	ND	2.0	µg/L	1	12/5/00 8:55:00 PM
1,3-Dichlorobenzene	ND	2.0	µg/L	1	12/5/00 8:55:00 PM
1,4-Dichlorobenzene	ND	2.0	µg/L	1	12/5/00 8:55:00 PM
n-Butylbenzene	ND	2.0	µg/L	1	12/5/00 8:55:00 PM
1,2-Dichlorobenzene	ND	2.0	µg/L	1	12/5/00 8:55:00 PM
1,2-Dibromo-3-chloropropane	ND	5.0	µg/L	1	12/5/00 8:55:00 PM
1,2,4-Trichlorobenzene	ND	2.0	µg/L	1	12/5/00 8:55:00 PM
Hexachlorobutadiene	ND	2.0	µg/L	1	12/5/00 8:55:00 PM
Naphthalene	ND	5.0	µg/L	1	12/5/00 8:55:00 PM
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1	12/5/00 8:55:00 PM
Surr: Dibromofluoromethane	105	88-120	%REC	1	12/5/00 8:55:00 PM
Surr: 1,2-Dichloroethane-d4	99.0	77-127	%REC	1	12/5/00 8:55:00 PM
Surr: Toluene-d8	103	88-109	%REC	1	12/5/00 8:55:00 PM
Surr: 4-Bromofluorobenzene	97.8	76-109	%REC	1	12/5/00 8:55:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
- See Case Narrative

RL - Reporting Limit, defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: 21-Dec-00

CLIENT: GEI Consultants, Inc.
Lab Order: 0012061
Project: Canton (MDC) 00291
Lab ID: 0012061-05A

Client Sample ID: W-11
Collection Date: 12/5/00
Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS						
		SW8260B				Analyst: SK
Dichlorodifluoromethane	ND	5.0	µg/L	1		12/16/00 4:07:00 PM
Chloromethane	ND	5.0	µg/L	1		12/16/00 4:07:00 PM
Vinyl chloride	ND	2.0	µg/L	1		12/16/00 4:07:00 PM
Chloroethane	ND	5.0	µg/L	1		12/16/00 4:07:00 PM
Bromomethane	ND	5.0	µg/L	1		12/16/00 4:07:00 PM
Trichlorofluoromethane	ND	2.0	µg/L	1		12/16/00 4:07:00 PM
Acetone	ND	10	µg/L	1		12/16/00 4:07:00 PM
1,1-Dichloroethene	ND	1.0	µg/L	1		12/16/00 4:07:00 PM
Carbon disulfide	ND	2.0	µg/L	1		12/16/00 4:07:00 PM
Methylene chloride	ND	5.0	µg/L	1		12/16/00 4:07:00 PM
Methyl tert-butyl ether	ND	2.0	µg/L	1		12/16/00 4:07:00 PM
trans-1,2-Dichloroethene	ND	2.0	µg/L	1		12/16/00 4:07:00 PM
1,1-Dichloroethane	ND	2.0	µg/L	1		12/16/00 4:07:00 PM
2-Butanone	ND	10	µg/L	1		12/16/00 4:07:00 PM
2,2-Dichloropropane	ND	2.0	µg/L	1		12/16/00 4:07:00 PM
cis-1,2-Dichloroethene	ND	2.0	µg/L	1		12/16/00 4:07:00 PM
Chloroform	ND	2.0	µg/L	1		12/16/00 4:07:00 PM
Bromochloromethane	ND	2.0	µg/L	1		12/16/00 4:07:00 PM
1,1,1-Trichloroethane	ND	2.0	µg/L	1		12/16/00 4:07:00 PM
1,1-Dichloropropene	ND	2.0	µg/L	1		12/16/00 4:07:00 PM
Carbon tetrachloride	ND	2.0	µg/L	1		12/16/00 4:07:00 PM
1,2-Dichloroethane	ND	2.0	µg/L	1		12/16/00 4:07:00 PM
Benzene	ND	1.0	µg/L	1		12/16/00 4:07:00 PM
Trichloroethene	ND	2.0	µg/L	1		12/16/00 4:07:00 PM
1,2-Dichloropropane	ND	2.0	µg/L	1		12/16/00 4:07:00 PM
Bromodichloromethane	ND	2.0	µg/L	1		12/16/00 4:07:00 PM
Dibromomethane	ND	2.0	µg/L	1		12/16/00 4:07:00 PM
4-Methyl-2-pentanone	ND	10	µg/L	1		12/16/00 4:07:00 PM
cis-1,3-Dichloropropene	ND	1.0	µg/L	1		12/16/00 4:07:00 PM
Toluene	ND	2.0	µg/L	1		12/16/00 4:07:00 PM
trans-1,3-Dichloropropene	ND	1.0	µg/L	1		12/16/00 4:07:00 PM
1,1,2-Trichloroethane	ND	2.0	µg/L	1		12/16/00 4:07:00 PM
1,2-Dibromoethane	ND	2.0	µg/L	1		12/16/00 4:07:00 PM
2-Hexanone	ND	10	µg/L	1		12/16/00 4:07:00 PM
1,3-Dichloropropane	ND	2.0	µg/L	1		12/16/00 4:07:00 PM
Tetrachloroethene	ND	2.0	µg/L	1		12/16/00 4:07:00 PM
Dibromochloromethane	ND	2.0	µg/L	1		12/16/00 4:07:00 PM
Chlorobenzene	ND	2.0	µg/L	1		12/16/00 4:07:00 PM
1,1,1,2-Tetrachloroethane	ND	2.0	µg/L	1		12/16/00 4:07:00 PM

Qualifiers: NID - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
- See Case Narrative

RL - Reporting Limit, defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: 21-Dec-00

CLIENT: GEI Consultants, Inc.
Lab Order: 0012061
Project: Canton (MDC) 00291
Lab ID: 0012061-05A

Client Sample ID: W-11
Collection Date: 12/5/00
Matrix: AQUEOUS

Analyses	Result	RL	Qual Units	DF	Date Analyzed
Ethylbenzene	ND	2.0	µg/L	1	12/16/00 4:07:00 PM
m,p-Xylene	ND	2.0	µg/L	1	12/16/00 4:07:00 PM
o-Xylene	ND	2.0	µg/L	1	12/16/00 4:07:00 PM
Styrene	ND	2.0	µg/L	1	12/16/00 4:07:00 PM
Bromoform	ND	2.0	µg/L	1	12/16/00 4:07:00 PM
Isopropylbenzene	ND	2.0	µg/L	1	12/16/00 4:07:00 PM
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1	12/16/00 4:07:00 PM
1,2,3-Trichloropropane	ND	2.0	µg/L	1	12/16/00 4:07:00 PM
Bromobenzene	ND	2.0	µg/L	1	12/16/00 4:07:00 PM
n-Propylbenzene	ND	2.0	µg/L	1	12/16/00 4:07:00 PM
2-Chlorotoluene	ND	2.0	µg/L	1	12/16/00 4:07:00 PM
4-Chlorotoluene	ND	2.0	µg/L	1	12/16/00 4:07:00 PM
1,3,5-Trimethylbenzene	ND	2.0	µg/L	1	12/16/00 4:07:00 PM
tert-Butylbenzene	ND	2.0	µg/L	1	12/16/00 4:07:00 PM
1,2,4-Trimethylbenzene	ND	2.0	µg/L	1	12/16/00 4:07:00 PM
sec-Butylbenzene	ND	2.0	µg/L	1	12/16/00 4:07:00 PM
4-Isopropyltoluene	ND	2.0	µg/L	1	12/16/00 4:07:00 PM
1,3-Dichlorobenzene	ND	2.0	µg/L	1	12/16/00 4:07:00 PM
1,4-Dichlorobenzene	ND	2.0	µg/L	1	12/16/00 4:07:00 PM
n-Butylbenzene	ND	2.0	µg/L	1	12/16/00 4:07:00 PM
1,2-Dichlorobenzene	ND	2.0	µg/L	1	12/16/00 4:07:00 PM
1,2-Dibromo-3-chloropropane	ND	5.0	µg/L	1	12/16/00 4:07:00 PM
1,2,4-Trichlorobenzene	ND	2.0	µg/L	1	12/16/00 4:07:00 PM
Hexachlorobutadiene	ND	2.0	µg/L	1	12/16/00 4:07:00 PM
Naphthalene	ND	5.0	µg/L	1	12/16/00 4:07:00 PM
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1	12/16/00 4:07:00 PM
Surr: Dibromofluoromethane	93.0	88-120	%REC	1	12/16/00 4:07:00 PM
Surr: 1,2-Dichloroethane-d4	98.3	77-127	%REC	1	12/16/00 4:07:00 PM
Surr: Toluene-d8	98.2	88-109	%REC	1	12/16/00 4:07:00 PM
Surr: 4-Bromofluorobenzene	96.7	76-109	%REC	1	12/16/00 4:07:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
- See Case Narrative

AMRO Environmental Laboratories Corp.

Date: 21-Dec-00

CLIENT: GEI Consultants, Inc.
Lab Order: 0012061
Project: Canton (MDC) 00291
Lab ID: 0012061-06A

Client Sample ID: Trip Blank
Collection Date: 12/5/00
Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS						
Dichlorodifluoromethane	ND	5.0		µg/L	1	Analyst: SK 12/16/00 4:42:00 PM
Chloromethane	ND	5.0		µg/L	1	12/16/00 4:42:00 PM
Vinyl chloride	ND	2.0		µg/L	1	12/16/00 4:42:00 PM
Chloroethane	ND	5.0		µg/L	1	12/16/00 4:42:00 PM
Bromomethane	ND	5.0		µg/L	1	12/16/00 4:42:00 PM
Trichlorofluoromethane	ND	2.0		µg/L	1	12/16/00 4:42:00 PM
Acetone	ND	10		µg/L	1	12/16/00 4:42:00 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	12/16/00 4:42:00 PM
Carbon disulfide	ND	2.0		µg/L	1	12/16/00 4:42:00 PM
Methylene chloride	ND	5.0		µg/L	1	12/16/00 4:42:00 PM
Methyl tert-butyl ether	ND	2.0		µg/L	1	12/16/00 4:42:00 PM
trans-1,2-Dichloroethene	ND	2.0		µg/L	1	12/16/00 4:42:00 PM
1,1-Dichloroethane	ND	2.0		µg/L	1	12/16/00 4:42:00 PM
2-Butanone	ND	10		µg/L	1	12/16/00 4:42:00 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	12/16/00 4:42:00 PM
cis-1,2-Dichloroethene	ND	2.0		µg/L	1	12/16/00 4:42:00 PM
Chloroform	ND	2.0		µg/L	1	12/16/00 4:42:00 PM
Bromochloromethane	ND	2.0		µg/L	1	12/16/00 4:42:00 PM
1,1,1-Trichloroethane	ND	2.0		µg/L	1	12/16/00 4:42:00 PM
1,1-Dichloropropene	ND	2.0		µg/L	1	12/16/00 4:42:00 PM
Carbon tetrachloride	ND	2.0		µg/L	1	12/16/00 4:42:00 PM
1,2-Dichloroethane	ND	2.0		µg/L	1	12/16/00 4:42:00 PM
Benzene	ND	1.0		µg/L	1	12/16/00 4:42:00 PM
Trichloroethene	ND	2.0		µg/L	1	12/16/00 4:42:00 PM
1,2-Dichloropropane	ND	2.0		µg/L	1	12/16/00 4:42:00 PM
Bromodichloromethane	ND	2.0		µg/L	1	12/16/00 4:42:00 PM
Dibromomethane	ND	2.0		µg/L	1	12/16/00 4:42:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	12/16/00 4:42:00 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/16/00 4:42:00 PM
Toluene	ND	2.0		µg/L	1	12/16/00 4:42:00 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/16/00 4:42:00 PM
1,1,2-Trichloroethane	ND	2.0		µg/L	1	12/16/00 4:42:00 PM
1,2-Dibromoethane	ND	2.0		µg/L	1	12/16/00 4:42:00 PM
2-Hexanone	ND	10		µg/L	1	12/16/00 4:42:00 PM
1,3-Dichloropropane	ND	2.0		µg/L	1	12/16/00 4:42:00 PM
Tetrachloroethene	ND	2.0		µg/L	1	12/16/00 4:42:00 PM
Dibromochloromethane	ND	2.0		µg/L	1	12/16/00 4:42:00 PM
Chlorobenzene	ND	2.0		µg/L	1	12/16/00 4:42:00 PM
1,1,1,2-Tetrachloroethane	ND	2.0		µg/L	1	12/16/00 4:42:00 PM

Qualifiers: NID - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

- See Case Narrative

RL - Reporting Limit, defined as the lowest concentration the laboratory can accurately quantitate.

METHOD BLANK

AMRO Environmental Laboratories Corp.

Date: 28-Dec-00

CLIENT: GEI Consultants, Inc.
 Work Order: 0012061
 Project: Canton (MDC) 00291

QC SUMMARY REPORT

Method Blank

Sample ID	Mblk12/15/00	Batch ID: R6306	Test Code: SW8260B	Units: µg/L	Analysis Date	12/15/00 2:28:00 PM	Prep Date	12/15/00				
Client ID:		Run ID:	V-3_001215A		SeqNo:	95943						
	QC Sample		QC Spike	Original Sample				Original Sample				
Analyte	Result	RL	Units	Amount	Result	%REC	LowLimit	HighLimit	or MS Result	%RPD	RPDLimit	Qua
Dichlorodifluoromethane	ND	5.0	µg/L									
Chloromethane	ND	5.0	µg/L									
Vinyl chloride	ND	2.0	µg/L									
Chloroethane	ND	5.0	µg/L									
Bromomethane	ND	5.0	µg/L									
Trichlorofluoromethane	ND	2.0	µg/L									
Acetone	ND	10	µg/L									
1,1-Dichloroethene	ND	1.0	µg/L									
Carbon disulfide	ND	2.0	µg/L									
Methylene chloride	ND	5.0	µg/L									
Methyl tert-butyl ether	ND	2.0	µg/L									
trans-1,2-Dichloroethene	ND	2.0	µg/L									
1,1-Dichloroethane	ND	2.0	µg/L									
2-Butanone	ND	10	µg/L									
2,2-Dichloropropane	ND	2.0	µg/L									
cis-1,2-Dichloroethene	ND	2.0	µg/L									
Chloroform	ND	2.0	µg/L									
Bromochloromethane	ND	2.0	µg/L									
1,1,1-Trichloroethane	ND	2.0	µg/L									
1,1-Dichloropropene	ND	2.0	µg/L									
Carbon tetrachloride	ND	2.0	µg/L									
1,2-Dichloroethane	ND	2.0	µg/L									
Benzene	ND	1.0	µg/L									
Trichloroethene	ND	2.0	µg/L									
1,2-Dichloropropane	ND	2.0	µg/L									

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

NA - Not applicable where J values or ND results occur

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: 28-Dec-00

CLIENT: GEI Consultants, Inc.

Work Order: 0012061

Project: Canton (MDC) 00291

QC SUMMARY REPORT

Method Blank

Bromodichloromethane	ND	2.0	µg/L
Dibromomethane	ND	2.0	µg/L
4-Methyl-2-pentanone	ND	10	µg/L
cis-1,3-Dichloropropene	ND	1.0	µg/L
Toluene	ND	2.0	µg/L
trans-1,3-Dichloropropene	ND	1.0	µg/L
1,1,2-Trichloroethane	ND	2.0	µg/L
1,2-Dibromoethane	ND	2.0	µg/L
2-Hexanone	ND	10	µg/L
1,3-Dichloropropane	ND	2.0	µg/L
Tetrachloroethene	ND	2.0	µg/L
Dibromochloromethane	ND	2.0	µg/L
Chlorobenzene	ND	2.0	µg/L
1,1,1,2-Tetrachloroethane	ND	2.0	µg/L
Ethylbenzene	ND	2.0	µg/L
m,p-Xylene	ND	2.0	µg/L
o-Xylene	ND	2.0	µg/L
Styrene	ND	2.0	µg/L
Bromoform	ND	2.0	µg/L
Isopropylbenzene	ND	2.0	µg/L
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L
1,2,3-Trichloropropane	ND	2.0	µg/L
Bromobenzene	ND	2.0	µg/L
n-Propylbenzene	ND	2.0	µg/L
2-Chlorotoluene	ND	2.0	µg/L
4-Chlorotoluene	ND	2.0	µg/L
1,3,5-Trimethylbenzene	ND	2.0	µg/L
tert-Butylbenzene	ND	2.0	µg/L
1,2,4-Trimethylbenzene	ND	2.0	µg/L
sec-Butylbenzene	ND	2.0	µg/L
4-Isopropyltoluene	ND	2.0	µg/L

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

NA - Not applicable where J values or ND results occur

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

CLIENT: GEI Consultants, Inc.

Work Order: 0012061

Project: Canton (MDC) 00291

QC SUMMARY REPORT

Method Blank

1,3-Dichlorobenzene	ND	2.0	µg/L							
1,4-Dichlorobenzene	ND	2.0	µg/L							
n-Butylbenzene	ND	2.0	µg/L							
1,2-Dichlorobenzene	ND	2.0	µg/L							
1,2-Dibromo-3-chloropropane	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	2.0	µg/L							
Hexachlorobutadiene	ND	2.0	µg/L							
Naphthalene	ND	5.0	µg/L							
1,2,3-Trichlorobenzene	ND	2.0	µg/L							
Surr: Dibromofluoromethane	24.33	2.0	µg/L	25	0	97.3	88	120	0	
Surr: 1,2-Dichloroethane-d4	25.22	2.0	µg/L	25	0	101	77	127	0	
Surr: Toluene-d8	24.58	2.0	µg/L	25	0	98.3	88	109	0	
Surr: 4-Bromofluorobenzene	24.52	2.0	µg/L	25	0	98.1	76	109	0	

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

NA - Not applicable where J values or ND results occur

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: 28-Dec-00

CLIENT: GEI Consultants, Inc.
 Work Order: 0012061
 Project: Canton (MDC) 00291

QC SUMMARY REPORT

Method Blank

Sample ID	MbIk12/16/00	Batch ID: R6308	Test Code: SW8260B	Units: µg/L	Analysis Date	12/16/00 3:32:00 PM	Prep Date	12/16/00				
Client ID:		Run ID: V-3_001216A	SeqNo: 95974									
	QC Sample		QC Spike	Original Sample				Original Sample				
Analyte	Result	RL	Units	Amount	Result	%REC	LowLimit	HighLimit	or MS Result	%RPD	RPDLimit	Qua
Dichlorodifluoromethane	ND	5.0	µg/L									
Chloromethane	ND	5.0	µg/L									
Vinyl chloride	ND	2.0	µg/L									
Chloroethane	ND	5.0	µg/L									
Bromomethane	ND	5.0	µg/L									
Trichlorofluoromethane	ND	2.0	µg/L									
Acetone	ND	10	µg/L									
1,1-Dichloroethene	ND	1.0	µg/L									
Carbon disulfide	ND	2.0	µg/L									
Methylene chloride	ND	5.0	µg/L									
Methyl tert-butyl ether	ND	2.0	µg/L									
trans-1,2-Dichloroethene	ND	2.0	µg/L									
1,1-Dichloroethane	ND	2.0	µg/L									
2-Butanone	ND	10	µg/L									
2,2-Dichloropropane	ND	2.0	µg/L									
cis-1,2-Dichloroethene	ND	2.0	µg/L									
Chloroform	ND	2.0	µg/L									
Bromochloromethane	ND	2.0	µg/L									
1,1,1-Trichloroethane	ND	2.0	µg/L									
1,1-Dichloropropene	ND	2.0	µg/L									
Carbon tetrachloride	ND	2.0	µg/L									
1,2-Dichloroethane	ND	2.0	µg/L									
Benzene	ND	1.0	µg/L									
Trichloroethene	ND	2.0	µg/L									
1,2-Dichloropropane	ND	2.0	µg/L									

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

NA - Not applicable where J values or ND results occur

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: 28-Dec-00

CLIENT: GEI Consultants, Inc.

Work Order: 0012061

Project: Canton (MDC) 00291

QC SUMMARY REPORT

Method Blank

Bromodichloromethane	ND	2.0	µg/L
Dibromomethane	ND	2.0	µg/L
4-Methyl-2-pentanone	ND	10	µg/L
cis-1,3-Dichloropropene	ND	1.0	µg/L
Toluene	ND	2.0	µg/L
trans-1,3-Dichloropropene	ND	1.0	µg/L
1,1,2-Trichloroethane	ND	2.0	µg/L
1,2-Dibromoethane	ND	2.0	µg/L
2-Hexanone	ND	10	µg/L
1,3-Dichloropropane	ND	2.0	µg/L
Tetrachloroethene	ND	2.0	µg/L
Dibromochloromethane	ND	2.0	µg/L
Chlorobenzene	ND	2.0	µg/L
1,1,1,2-Tetrachloroethane	ND	2.0	µg/L
Ethylbenzene	ND	2.0	µg/L
m,p-Xylene	ND	2.0	µg/L
o-Xylene	ND	2.0	µg/L
Styrene	ND	2.0	µg/L
Bromoform	ND	2.0	µg/L
Isopropylbenzene	ND	2.0	µg/L
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L
1,2,3-Trichloropropane	ND	2.0	µg/L
Bromobenzene	ND	2.0	µg/L
n-Propylbenzene	ND	2.0	µg/L
2-Chlorotoluene	ND	2.0	µg/L
4-Chlorotoluene	ND	2.0	µg/L
1,3,5-Trimethylbenzene	ND	2.0	µg/L
tert-Butylbenzene	ND	2.0	µg/L
1,2,4-Trimethylbenzene	ND	2.0	µg/L
sec-Butylbenzene	ND	2.0	µg/L
4-Isopropyltoluene	ND	2.0	µg/L

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

NA - Not applicable where J values or ND results occur

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: 28-Dec-00

CLIENT: GEI Consultants, Inc.

Work Order: 0012061

Project: Canton (MDC) 00291

QC SUMMARY REPORT

Method Blank

1,3-Dichlorobenzene	ND	2.0	µg/L							
1,4-Dichlorobenzene	ND	2.0	µg/L							
n-Butylbenzene	ND	2.0	µg/L							
1,2-Dichlorobenzene	ND	2.0	µg/L							
1,2-Dibromo-3-chloropropane	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	2.0	µg/L							
Hexachlorobutadiene	ND	2.0	µg/L							
Naphthalene	ND	5.0	µg/L							
1,2,3-Trichlorobenzene	ND	2.0	µg/L							
Surr: Dibromofluoromethane	23.61	2.0	µg/L	25	0	94.4	88	120	0	
Surr: 1,2-Dichloroethane-d4	24.15	2.0	µg/L	25	0	96.6	77	127	0	
Surr: Toluene-d8	24.28	2.0	µg/L	25	0	97.1	88	109	0	
Surr: 4-Bromofluorobenzene	25.83	2.0	µg/L	25	0	103	76	109	0	

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

NA - Not applicable where J values or ND results occur

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

MATRIX SPIKE AND MATRIX SPIKE DUPLICATE

AMRO Environmental Laboratories Corp.

Date: 28-Dec-00

CLIENT: GEI Consultants, Inc.

Work Order: 0012061

Project: Canton (MDC) 00291

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID	0012061-01Ams	Batch ID:	R6306	Test Code:	SW8260B	Units:	µg/L	Analysis Date	12/15/00 9:31:00 PM	Prep Date	12/15/00	
Client ID:	W-1	Run ID:	V-3_001215A	SeqNo:	95955							
	QC Sample			QC Spike	Original Sample				Original Sample			
Analyte	Result	RL	Units	Amount	Result	%REC	LowLimit	HighLimit	or MS Result	%RPD	RPDLimit	Qua
1,1-Dichloroethene	125	5.0	µg/L	100	0	125	71	130	0			
Benzene	113.4	5.0	µg/L	100	0	113	75	127	0			
Trichloroethene	113.3	10	µg/L	100	0	113	77	121	0			
Toluene	112	10	µg/L	100	0	112	80	121	0			
Chlorobenzene	107	10	µg/L	100	0	107	84	120	0			
Surr: Dibromofluoromethane	118.6	10	µg/L	125	0	94.9	88	120	0			
Surr: 1,2-Dichloroethane-d4	122.3	10	µg/L	125	0	97.8	77	127	0			
Surr: Toluene-d8	123.1	10	µg/L	125	0	98.5	88	109	0			
Surr: 4-Bromofluorobenzene	124.4	10	µg/L	125	0	99.6	76	109	0			

Sample ID	0012061-01Amsd	Batch ID:	R6306	Test Code:	SW8260B	Units:	µg/L	Analysis Date	12/15/00 10:05:00 PM	Prep Date	12/15/00	
Client ID:	W-1	Run ID:	V-3_001215A	SeqNo:	95956							
	QC Sample			QC Spike	Original Sample				Original Sample			
Analyte	Result	RL	Units	Amount	Result	%REC	LowLimit	HighLimit	or MS Result	%RPD	RPDLimit	Qua
1,1-Dichloroethene	119.2	5.0	µg/L	100	0	119	71	130	125	4.71	25	
Benzene	104.7	5.0	µg/L	100	0	105	75	127	113.4	7.98	25	
Trichloroethene	110	10	µg/L	100	0	110	77	121	113.3	2.91	25	
Toluene	102.2	10	µg/L	100	0	102	80	121	112	9.15	25	
Chlorobenzene	99.1	10	µg/L	100	0	99.1	84	120	107	7.67	25	
Surr: Dibromofluoromethane	117.6	10	µg/L	125	0	94	88	120	0	0	0	
Surr: 1,2-Dichloroethane-d4	122.1	10	µg/L	125	0	97.7	77	127	0	0	0	
Surr: Toluene-d8	120.1	10	µg/L	125	0	96.1	88	109	0	0	0	
Surr: 4-Bromofluorobenzene	119.6	10	µg/L	125	0	95.7	76	109	0	0	0	

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

NA - Not applicable where J values or ND results occur

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

LABORATORY CONTROL SAMPLE

AMRO Environmental Laboratories Corp.

Date: 28-Dec-00

CLIENT: GEI Consultants, Inc.
 Work Order: 0012061
 Project: Canton (MDC) 00291

QC SUMMARY REPORT

Laboratory Control Spike

Sample ID	Ics 12/15/00	Batch ID: R6306	Test Code: SW8260B	Units: µg/L	Analysis Date 12/15/00 1:17:00 PM				Prep Date 12/15/00			
Client ID:			Run ID: V-3_001215A		SeqNo: 95942							
	QC Sample			QC Spike	Original Sample				Original Sample			
Analyte	Result	RL	Units	Amount	Result	%REC	LowLimit	HighLimit	or MS Result	%RPD	RPDLimit	Qua
1,1-Dichloroethene	24.54	1.0	µg/L	20	0	123	77	131	0			
Benzene	22.34	1.0	µg/L	20	0	112	79	121	0			
Trichloroethene	22.37	2.0	µg/L	20	0	112	84	116	0			
Toluene	22.13	2.0	µg/L	20	0	111	84	116	0			
Chlorobenzene	21.89	2.0	µg/L	20	0	109	86	116	0			
Surr: Dibromofluoromethane	23.47	2.0	µg/L	25	0	93.9	88	120	0			
Surr: 1,2-Dichloroethane-d4	24.86	2.0	µg/L	25	0	99.4	77	127	0			
Surr: Toluene-d8	23.79	2.0	µg/L	25	0	95.2	88	109	0			
Surr: 4-Bromofluorobenzene	25.01	2.0	µg/L	25	0	100	76	109	0			

Sample ID	Ics 12/16/00	Batch ID: R6308	Test Code: SW8260B	Units: µg/L	Analysis Date	12/16/00 2:22:00 PM	Prep Date	12/16/00				
Client ID:		Run ID: V-3_001216A			SeqNo:	95973						
	QC Sample		QC Spike	Original Sample				Original Sample				
Analyte	Result	RL	Units	Amount	Result	%REC	LowLimit	HighLimit	or MS Result	%RPD	RPDLimit	Qua
1,1-Dichloroethene	22.54	1.0	µg/L	20	0	113	77	131	0			
Benzene	21.37	1.0	µg/L	20	0	107	79	121	0			
Trichloroethene	21.33	2.0	µg/L	20	0	107	84	116	0			
Toluene	21.26	2.0	µg/L	20	0	106	84	116	0			
Chlorobenzene	20.36	2.0	µg/L	20	0	102	86	116	0			
Surr: Dibromofluoromethane	24.65	2.0	µg/L	25	0	98.6	88	120	0			
Surr: 1,2-Dichloroethane-d4	24.86	2.0	µg/L	25	0	99.4	77	127	0			
Surr: Toluene-d8	24.42	2.0	µg/L	25	0	97.7	88	109	0			
Surr: 4-Bromofluorobenzene	24.89	2.0	µg/L	25	0	99.6	76	109	0			

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

NA - Not applicable where J values or ND results occur

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

VOLATILE PETROLEUM HYDROCARBONS (VPH)
WATER

SAMPLE RESULTS

AMRO Environmental Laboratories Corp.

Date: 21-Dec-00

CLIENT: GEI Consultants, Inc.
Lab Order: 0012061
Project: Canton (MDC) 00291
Lab ID: 0012061-01B

Client Sample ID: W-1
Tag Number:
Collection Date: 12/5/00
Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE PETROLEUM HYDROCARBONS						
C5-C8 Aliphatic Hydrocarbons	ND	100		µg/L	1	Analyst: SK 12/12/00 12:18:00 AM
C9-C12 Aliphatic Hydrocarbons	ND	25		µg/L	1	12/12/00 12:18:00 AM
C9-C10 Aromatic Hydrocarbons	ND	25		µg/L	1	12/12/00 12:18:00 AM
Methyl tert-butyl ether	ND	2.0		µg/L	1	12/12/00 12:18:00 AM
Benzene	ND	2.0		µg/L	1	12/12/00 12:18:00 AM
Toluene	ND	2.0		µg/L	1	12/12/00 12:18:00 AM
Ethylbenzene	ND	2.0		µg/L	1	12/12/00 12:18:00 AM
m,p-Xylene	ND	2.0		µg/L	1	12/12/00 12:18:00 AM
o-Xylene	ND	2.0		µg/L	1	12/12/00 12:18:00 AM
Naphthalene	ND	5.0		µg/L	1	12/12/00 12:18:00 AM
Surr: 1,2-Dichloroethane-d4	87.4	70-130		%REC	1	12/12/00 12:18:00 AM
Surr: 2,5-Dibromotoluene	87.0	70-130		%REC	1	12/12/00 12:18:00 AM
Surr: 4-Bromofluorobenzene	97.3	70-130		%REC	1	12/12/00 12:18:00 AM
Surr: Dibromofluoromethane	96.2	70-130		%REC	1	12/12/00 12:18:00 AM
Surr: Toluene-d8	94.0	70-130		%REC	1	12/12/00 12:18:00 AM

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22
 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

CERTIFICATION

We're all QA/QC procedures required by the VPH or EPH method followed: ☒ Yes ☐ No - If No, See Case Narrative
 We're all performance/acceptance standards for required QA/QC procedures achieved: ☒ Yes ☐ No - If No, See Case Narrative
 We're any significant modifications made to the method as specified in section 11.3: ☐ Yes ☒ No - Details enclosed
I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE:  **DATE:** 12-21-00
PRINTED NAME: Sheena Blair **POSITION:** Laboratory Director (or designee)

Qualifiers: RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.
 ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits E - Value above quantitation range
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits # - See Case Narrative
 B - Analyte detected in the associated Method Blank

AMRO Environmental Laboratories Corp.

Date: 21-Dec-00

CLIENT: GEI Consultants, Inc.
Lab Order: 0012061
Project: Canton (MDC) 00291
Lab ID: 0012061-02B

Client Sample ID: W-5
Tag Number:
Collection Date: 12/5/00
Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE PETROLEUM HYDROCARBONS						
C5-C8 Aliphatic Hydrocarbons	ND	100		µg/L	1	Analyst: SK 12/12/00 12:54:00 AM
C9-C12 Aliphatic Hydrocarbons	ND	25		µg/L	1	12/12/00 12:54:00 AM
C9-C10 Aromatic Hydrocarbons	ND	25		µg/L	1	12/12/00 12:54:00 AM
Methyl tert-butyl ether	ND	2.0		µg/L	1	12/12/00 12:54:00 AM
Benzene	ND	2.0		µg/L	1	12/12/00 12:54:00 AM
Toluene	ND	2.0		µg/L	1	12/12/00 12:54:00 AM
Ethylbenzene	ND	2.0		µg/L	1	12/12/00 12:54:00 AM
m,p-Xylene	ND	2.0		µg/L	1	12/12/00 12:54:00 AM
o-Xylene	ND	2.0		µg/L	1	12/12/00 12:54:00 AM
Naphthalene	ND	5.0		µg/L	1	12/12/00 12:54:00 AM
Surr: 1,2-Dichloroethane-d4	85.8	70-130		%REC	1	12/12/00 12:54:00 AM
Surr: 2,5-Dibromotoluene	88.8	70-130		%REC	1	12/12/00 12:54:00 AM
Surr: 4-Bromofluorobenzene	94.5	70-130		%REC	1	12/12/00 12:54:00 AM
Surr: Dibromofluoromethane	97.7	70-130		%REC	1	12/12/00 12:54:00 AM
Surr: Toluene-d8	94.8	70-130		%REC	1	12/12/00 12:54:00 AM

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22
 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

CERTIFICATION

We're all QA/QC procedures required by the VPH or EPH method followed: ☒ Yes ☐ No - If No, See Case Narrative
 Were all performance/acceptance standards for required QA/QC procedures achieved: ☒ Yes ☐ No - If No, See Case Narrative
 Were any significant modifications made to the method as specified in section 11.3: ☐ Yes ☒ No - Details enclosed
I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE:  DATE: 12-21-00
 PRINTED NAME: Sheena Blair POSITION: Laboratory Director (or designee)

Qualifiers: RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.
 ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits E - Value above quantitation range
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits # - See Case Narrative
 B - Analyte detected in the associated Method Blank

AMRO Environmental Laboratories Corp.

Date: 21-Dec-00

CLIENT: GEI Consultants, Inc.
Lab Order: 0012061
Project: Canton (MDC) 00291
Lab ID: 0012061-03B

Client Sample ID: W-6
Tag Number:
Collection Date: 12/5/00
Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE PETROLEUM HYDROCARBONS						
C5-C8 Aliphatic Hydrocarbons	ND	MAVPH	100	µg/L	1	Analyst: SK 12/12/00 1:29:00 AM
C9-C12 Aliphatic Hydrocarbons	ND		25	µg/L	1	12/12/00 1:29:00 AM
C9-C10 Aromatic Hydrocarbons	ND		25	µg/L	1	12/12/00 1:29:00 AM
Methyl tert-butyl ether	ND		2.0	µg/L	1	12/12/00 1:29:00 AM
Benzene	ND		2.0	µg/L	1	12/12/00 1:29:00 AM
Toluene	ND		2.0	µg/L	1	12/12/00 1:29:00 AM
Ethylbenzene	ND		2.0	µg/L	1	12/12/00 1:29:00 AM
m,p-Xylene	ND		2.0	µg/L	1	12/12/00 1:29:00 AM
o-Xylene	ND		2.0	µg/L	1	12/12/00 1:29:00 AM
Naphthalene	ND		5.0	µg/L	1	12/12/00 1:29:00 AM
Surr: 1,2-Dichloroethane-d4	93.0		70-130	%REC	1	12/12/00 1:29:00 AM
Surr: 2,5-Dibromotoluene	86.2		70-130	%REC	1	12/12/00 1:29:00 AM
Surr: 4-Bromofluorobenzene	95.2		70-130	%REC	1	12/12/00 1:29:00 AM
Surr: Dibromofluoromethane	100		70-130	%REC	1	12/12/00 1:29:00 AM
Surr: Toluene-d8	102		70-130	%REC	1	12/12/00 1:29:00 AM

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22
 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

CERTIFICATION

Were all QA/QC procedures required by the VPH or EPH method followed:

Were all performance/acceptance standards for required QA/QC procedures achieved: ☒ Yes ☐ No - If No, See Case Narrative

Were any significant modifications made to the method as specified in section 11.3: ☐ Yes ☒ No - Details enclosed

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE:  DATE: 12-21-00
 PRINTED NAME: Sheena Blair POSITION: Laboratory Director (or designee)

Qualifiers: RL - Reporting Limit, defined as the lowest concentration the laboratory can accurately quantitate.

ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits E - Value above quantitation range

J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits # - See Case Narrative

B - Analyte detected in the associated Method Blank

AMRO Environmental Laboratories Corp.

Date: 21-Dec-00

CLIENT: GEI Consultants, Inc.
Lab Order: 0012061
Project: Canton (MDC) 00291
Lab ID: 0012061-04B

Client Sample ID: W-10
Tag Number:
Collection Date: 12/5/00
Matrix: AQUEOUS

Analyses	Result	RL	Qual Units	DF	Date Analyzed
VOLATILE PETROLEUM HYDROCARBONS					
C5-C8 Aliphatic Hydrocarbons	ND	MAVPH 100	µg/L	1	Analyst: SK 12/12/00 2:05:00 AM
C9-C12 Aliphatic Hydrocarbons	ND	25	µg/L	1	12/12/00 2:05:00 AM
C9-C10 Aromatic Hydrocarbons	ND	25	µg/L	1	12/12/00 2:05:00 AM
Methyl tert-butyl ether	ND	2.0	µg/L	1	12/12/00 2:05:00 AM
Benzene	ND	2.0	µg/L	1	12/12/00 2:05:00 AM
Toluene	ND	2.0	µg/L	1	12/12/00 2:05:00 AM
Ethylbenzene	ND	2.0	µg/L	1	12/12/00 2:05:00 AM
m,p-Xylene	ND	2.0	µg/L	1	12/12/00 2:05:00 AM
o-Xylene	ND	2.0	µg/L	1	12/12/00 2:05:00 AM
Naphthalene	ND	5.0	µg/L	1	12/12/00 2:05:00 AM
Surr: 1,2-Dichloroethane-d4	85.3	70-130	%REC	1	12/12/00 2:05:00 AM
Surr: 2,5-Dibromotoluene	88.0	70-130	%REC	1	12/12/00 2:05:00 AM
Surr: 4-Bromofluorobenzene	96.5	70-130	%REC	1	12/12/00 2:05:00 AM
Surr: Dibromofluoromethane	98.1	70-130	%REC	1	12/12/00 2:05:00 AM
Surr: Toluene-d8	94.4	70-130	%REC	1	12/12/00 2:05:00 AM

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22
 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

CERTIFICATION

We're all QA/QC procedures required by the VPH or EPH method followed:

We're all performance/acceptance standards for required QA/QC procedures achieved:

Yes ☒ No ☐ If No, See Case Narrative
 Yes ☒ No ☐ If No, See Case Narrative

We're any significant modifications made to the method as specified in section 11.3:

Yes ☐ No ☒ Yes - Details enclosed

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: Sheena Blair

DATE: 12-21-00

POSITION: Laboratory Director (or designee)

Qualifiers: RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits E - Value above quantitation range

J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits # - See Case Narrative

B - Analyte detected in the associated Method Blank

AMRO Environmental Laboratories Corp.

Date: 21-Dec-00

CLIENT: GEI Consultants, Inc.
Lab Order: 0012061
Project: Canton (MDC) 00291
Lab ID: 0012061-05B


Client Sample ID: W-11
Tag Number:
Collection Date: 12/5/00
Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE PETROLEUM HYDROCARBONS						
			MAVPH			Analyst: SK
C5-C8 Aliphatic Hydrocarbons	ND	100	µg/L	1		12/12/00 2:41:00 AM
C9-C12 Aliphatic Hydrocarbons	ND	25	µg/L	1		12/12/00 2:41:00 AM
C9-C10 Aromatic Hydrocarbons	ND	25	µg/L	1		12/12/00 2:41:00 AM
Methyl tert-butyl ether	ND	2.0	µg/L	1		12/12/00 2:41:00 AM
Benzene	ND	2.0	µg/L	1		12/12/00 2:41:00 AM
Toluene	ND	2.0	µg/L	1		12/12/00 2:41:00 AM
Ethylbenzene	ND	2.0	µg/L	1		12/12/00 2:41:00 AM
m,p-Xylene	ND	2.0	µg/L	1		12/12/00 2:41:00 AM
o-Xylene	ND	2.0	µg/L	1		12/12/00 2:41:00 AM
Naphthalene	ND	5.0	µg/L	1		12/12/00 2:41:00 AM
Surr: 1,2-Dichloroethane-d4	89.4	70-130	%REC	1		12/12/00 2:41:00 AM
Surr: 2,5-Dibromotoluene	85.8	70-130	%REC	1		12/12/00 2:41:00 AM
Surr: 4-Bromofluorobenzene	91.8	70-130	%REC	1		12/12/00 2:41:00 AM
Surr: Dibromofluoromethane	95.4	70-130	%REC	1		12/12/00 2:41:00 AM
Surr: Toluene-d8	94.8	70-130	%REC	1		12/12/00 2:41:00 AM

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22
 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

CERTIFICATION

We're all QA/QC procedures required by the VPH or EPH method followed: ☒ Yes ☐ No - If No, See Case Narrative
 Were all performance/acceptance standards for required QA/QC procedures achieved: ☒ Yes ☐ No - If No, See Case Narrative
 Were any significant modifications made to the method as specified in section 11.3: ☐ Yes ☒ No - Details enclosed
 I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE:  **DATE:** 12-21-00
PRINTED NAME: Sheena Blair **POSITION:** Laboratory Director (or designee)

Qualifiers: RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.
 ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits E - Value above quantitation range
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits # - See Case Narrative
 B - Analyte detected in the associated Method Blank

METHOD BLANK

AMRO Environmental Laboratories Corp.

Date: 15-Dec-00

CLIENT: GEI Consultants, Inc.

Work Order: 0012061

Project: Canton (MDC) 00291

QC SUMMARY REPORT

Method Blank

Sample ID	mbk12/11/00	Batch ID: R6220	Test Code: MAVPH	Units: µg/L	Analysis Date 12/11/00 12:09:00 PM				Prep Date 12/11/00			
Client ID:			Run ID: V-2_001211A		SeqNo: 94328							
	QC Sample			QC Spike	Original Sample				Original Sample			
Analyte	Result	RL	Units	Amount	Result	%REC	LowLimit	HighLimit	or MS Result	%RPD	RPDLimit	Qua
C5-C8 Aliphatic Hydrocarbons	ND	100	µg/L									
C9-C12 Aliphatic Hydrocarbons	ND	25	µg/L									
C9-C10 Aromatic Hydrocarbons	ND	25	µg/L									
Methyl tert-butyl ether	ND	2.0	µg/L									
Benzene	ND	2.0	µg/L									
Toluene	ND	2.0	µg/L									
Ethylbenzene	ND	2.0	µg/L									
m,p-Xylene	ND	2.0	µg/L									
o-Xylene	ND	2.0	µg/L									
Naphthalene	0.54	5.0	µg/L									J
Surr: 1,2-Dichloroethane-d4	22.27	0	µg/L	25	0	89.1	70	130	0			
Surr: 2,5-Dibromotoluene	24.92	0	µg/L	25	0	99.7	70	130	0			
Surr: 4-Bromofluorobenzene	23.97	0	µg/L	25	0	95.9	70	130	0			
Surr: Dibromofluoromethane	24.27	0	µg/L	25	0	97.1	70	130	0			
Surr: Toluene-d8	23.38	0	µg/L	25	0	93.5	70	130	0			

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

NA - Not applicable where J values or ND results occur

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

MATRIX SPIKE AND MATRIX SPIKE DUPLICATE

AMRO Environmental Laboratories Corp.

Date: 15-Dec-00

CLIENT: GEI Consultants, Inc.

Work Order: 0012061

Project: Canton (MDC) 00291

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID	0012066-02Ams	Batch ID:	R6220	Test Code:	MAVPH	Units:	µg/L	Analysis Date	12/12/00 6:15:00 AM	Prep Date	12/11/00	
Client ID:		Run ID:	V-2_001211A	SeqNo:	94357							
	QC Sample			QC Spike	Original Sample				Original Sample			
Analyte	Result	RL	Units	Amount	Result	%REC	LowLimit	HighLimit	or MS Result	%RPD	RPDLimit	Qual
Methyl tert-butyl ether	97.8	10	µg/L	100	0	97.8	70	130	0			
Benzene	85.55	10	µg/L	100	3.71	81.8	70	130	0			
Toluene	112.4	10	µg/L	100	0	112	70	130	0			
Ethylbenzene	108.9	10	µg/L	100	1.71	107	70	130	0			
m,p-Xylene	217.4	10	µg/L	200	2.7	107	70	130	0			
o-Xylene	111.2	10	µg/L	100	7.21	104	70	130	0			
Naphthalene	329.3	25	µg/L	100	192.6	137	70	130	0			S
Surr: 1,2-Dichloroethane-d4	104.7	0	µg/L	125	0	83.8	70	130	0			
Surr: 2,5-Dibromotoluene	110.2	0	µg/L	125	0	88.2	70	130	0			
Surr: 4-Bromofluorobenzene	122	0	µg/L	125	0	97.6	70	130	0			
Surr: Dibromofluoromethane	125.5	0	µg/L	125	0	100	70	130	0			
Surr: Toluene-d8	116.8	0	µg/L	125	0	93.4	70	130	0			

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

NA - Not applicable where J values or ND results occur

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: 15-Dec-00

CLIENT: GEI Consultants, Inc.
 Work Order: 0012061
 Project: Canton (MDC) 00291

QC SUMMARY REPORT

Sample Matrix Spike Duplicate

Sample ID	0012066-02Amsd	Batch ID:	R6220	Test Code:	MAVPH	Units:	µg/L	Analysis Date	12/12/00 6:50:00 AM	Prep Date	12/11/00	
Client ID:		Run ID:	V-2_001211A	SeqNo:	94358							
	QC Sample			QC Spike	Original Sample				Original Sample			
Analyte	Result	RL	Units	Amount	Result	%REC	LowLimit	HighLimit	or MS Result	%RPD	RPDLimit	Qua
Methyl tert-butyl ether	90.2	10	µg/L	100	0	90.2	70	130	97.8	8.09	50	
Benzene	84.35	10	µg/L	100	3.71	80.6	70	130	85.55	1.41	50	
Toluene	112.2	10	µg/L	100	0	112	70	130	112.4	0.267	50	
Ethylbenzene	107.5	10	µg/L	100	1.71	106	70	130	108.9	1.34	50	
m,p-Xylene	213.2	10	µg/L	200	2.7	105	70	130	217.4	1.95	50	
o-Xylene	108.4	10	µg/L	100	7.21	101	70	130	111.2	2.5	50	
Naphthalene	298	25	µg/L	100	192.6	105	70	130	329.3	10	50	
Surr: 1,2-Dichloroethane-d4	105.8	0	µg/L	125	0	84.6	70	130	0	0	0	
Surr: 2,5-Dibromotoluene	109.7	0	µg/L	125	0	87.8	70	130	0	0	0	
Surr: 4-Bromofluorobenzene	118.6	0	µg/L	125	0	94.9	70	130	0	0	0	
Surr: Dibromofluoromethane	122.6	0	µg/L	125	0	98.1	70	130	0	0	0	
Surr: Toluene-d8	119	0	µg/L	125	0	95.2	70	130	0	0	0	

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

NA - Not applicable where J values or ND results occur

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

SAMPLE AND SAMPLe DUPLICATE

AMRO Environmental Laboratories Corp.

Date: 15-Dec-00

CLIENT: GEI Consultants, Inc.

Work Order: 0012061

Project: Canton (MDC) 00291

QC SUMMARY REPORT

Sample Duplicate

Sample ID	0012066-01Adup	Batch ID:	R6220	Test Code:	MAVPH	Units:	µg/L	Analysis Date	12/12/00 5:03:00 AM	Prep Date	12/11/00	
Client ID:		Run ID:	V-2_001211A	SeqNo:	94355							
	QC Sample			QC Spike	Original Sample				Original Sample			
Analyte	Result	RL	Units	Amount	Result	%REC	LowLimit	HighLimit	or MS Result	%RPD	RPDLimit	Qua
C5-C8 Aliphatic Hydrocarbons	ND	100	µg/L	0	0	0	0	0	0	0	50	
C9-C12 Aliphatic Hydrocarbons	ND	25	µg/L	0	0	0	0	0	0	0	50	
C9-C10 Aromatic Hydrocarbons	ND	25	µg/L	0	0	0	0	0	0	0	50	
Methyl tert-butyl ether	ND	2.0	µg/L	0	0	0	0	0	0	0	50	
Benzene	3.1	2.0	µg/L	0	0	0	0	0	3.28	5.64	50	
Toluene	ND	2.0	µg/L	0	0	0	0	0	0	0	50	
Ethylbenzene	ND	2.0	µg/L	0	0	0	0	0	0	0	50	
m,p-Xylene	ND	2.0	µg/L	0	0	0	0	0	0	0	50	
o-Xylene	ND	2.0	µg/L	0	0	0	0	0	0	0	50	
Naphthalene	ND	5.0	µg/L	0	0	0	0	0	0	0	50	
Surr: 1,2-Dichloroethane-d4	21.18	0	µg/L	25	0	84.7	70	130	0	0	0	
Surr: 2,5-Dibromotoluene	22.36	0	µg/L	25	0	89.4	70	130	0	0	0	
Surr: 4-Bromofluorobenzene	23.86	0	µg/L	25	0	95.4	70	130	0	0	0	
Surr: Dibromofluoromethane	22.79	0	µg/L	25	0	91.2	70	130	0	0	0	
Surr: Toluene-d8	22.89	0	µg/L	25	0	91.6	70	130	0	0	0	

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

NA - Not applicable where J values or ND results occur

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

LABORATORY CONTROL SAMPLE

AMRO Environmental Laboratories Corp.

Date: 15-Dec-00

CLIENT: GEI Consultants, Inc.

Work Order: 0012061

Project: Canton (MDC) 00291

QC SUMMARY REPORT

Laboratory Control Spike

Sample ID	Ics12/11/00	Batch ID: R6220	Test Code: MAVPH	Units: µg/L	Analysis Date	12/11/00 10:57:00 AM	Prep Date	12/11/00				
Client ID:		Run ID: V-2_001211A			SeqNo:	94327						
	QC Sample		QC Spike	Original Sample				Original Sample				
Analyte	Result	RL	Units	Amount	Result	%REC	LowLimit	HighLimit	or MS Result	%RPD	RPDLimit	Qua
Methyl tert-butyl ether	19.75	2.0	µg/L	20	0	98.8	70	130	0			
Benzene	15.93	2.0	µg/L	20	0	79.6	70	130	0			
Toluene	21.59	2.0	µg/L	20	0	108	70	130	0			
Ethylbenzene	20.85	2.0	µg/L	20	0	104	70	130	0			
m,p-Xylene	42.24	2.0	µg/L	40	0	106	70	130	0			
o-Xylene	20.62	2.0	µg/L	20	0	103	70	130	0			
Naphthalene	19.17	5.0	µg/L	20	0.54	93.2	70	130	0			
Surr: 1,2-Dichloroethane-d4	22.09	0	µg/L	25	0	88.4	70	130	0			
Surr: 2,5-Dibromotoluene	23.17	0	µg/L	25	0	92.7	70	130	0			
Surr: 4-Bromofluorobenzene	25.04	0	µg/L	25	0	100	70	130	0			
Surr: Dibromofluoromethane	24.71	0	µg/L	25	0	98.8	70	130	0			
Surr: Toluene-d8	23.89	0	µg/L	25	0	95.6	70	130	0			

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

NA - Not applicable where J values or ND results occur

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

**EXTRACTABLE PETROLEUM HYDROCARBONS (EPH)
WATER**

SAMPLE RESULTS

AMRO Environmental Laboratories Corp.

Date: 21-Dec-00

CLIENT: GEI Consultants, Inc.
Lab Order: 0012061
Project: Canton (MDC) 00291
Lab ID: 0012061-01C

Client Sample ID: W-1
Tag Number:
Collection Date: 12/5/00
Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EXTRACTABLE PETROLEUM HYDROCARBONS MAEPH						
C9-C18 Aliphatic Hydrocarbons	ND	100		µg/L	1	Analyst: GG 12/13/00 7:37:00 PM
~ C19-C36 Aliphatic Hydrocarbons	150	100		µg/L	1	12/13/00 7:37:00 PM
~ C11-C22 Aromatic Hydrocarbons	140	100		µg/L	1	12/13/00 7:37:00 PM
Naphthalene	ND	100		µg/L	1	12/13/00 7:37:00 PM
2-Methylnaphthalene	ND	100		µg/L	1	12/13/00 7:37:00 PM
Acenaphthylene	ND	100		µg/L	1	12/13/00 7:37:00 PM
Acenaphthene	ND	100		µg/L	1	12/13/00 7:37:00 PM
Fluorene	ND	100		µg/L	1	12/13/00 7:37:00 PM
Phenanthrene	ND	100		µg/L	1	12/13/00 7:37:00 PM
Anthracene	ND	100		µg/L	1	12/13/00 7:37:00 PM
Fluoranthene	ND	100		µg/L	1	12/13/00 7:37:00 PM
Pyrene	ND	100		µg/L	1	12/13/00 7:37:00 PM
Benz(a)anthracene	ND	100		µg/L	1	12/13/00 7:37:00 PM
Chrysene	ND	100		µg/L	1	12/13/00 7:37:00 PM
Benzo(b)fluoranthene	ND	100		µg/L	1	12/13/00 7:37:00 PM
Benzo(k)fluoranthene	ND	100		µg/L	1	12/13/00 7:37:00 PM
Benzo(a)pyrene	ND	100		µg/L	1	12/13/00 7:37:00 PM
Dibenz(a,h)anthracene	ND	100		µg/L	1	12/13/00 7:37:00 PM
Indeno(1,2,3-cd)pyrene	ND	100		µg/L	1	12/13/00 7:37:00 PM
Benzo(g,h,i)perylene	ND	100		µg/L	1	12/13/00 7:37:00 PM
Surr: 1-Chlorooctadecane	55.6	40-140		%REC	1	12/13/00 7:37:00 PM
Surr: 2-Bromonaphthalene	99.6	40-140		%REC	1	12/13/00 7:37:00 PM
Surr: 2-Fluorobiphenyl	101	40-140		%REC	1	12/13/00 7:37:00 PM
Surr: o-Terphenyl	73.5	40-140		%REC	1	12/13/00 7:37:00 PM

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

CERTIFICATION

We're all QA/QC procedures required by the VPH or EPH method followed: ☒ Yes ☐ No - If No, See Case Narrative
 We're all performance/acceptance standards for required QA/QC procedures achieved: ☒ Yes ☐ No - If No, See Case Narrative
 We're any significant modifications made to the method as specified in section 11.3: ☐ Yes ☒ No - Details enclosed
I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: Sheena Blair DATE: 12-21-00
 PRINTED NAME: Sheena Blair POSITION: Laboratory Director (or designee)

Qualifiers: RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.
 ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits E - Value above quantitation range
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits # - See Case Narrative
 B - Analyte detected in the associated Method Blank

AMRO Environmental Laboratories Corp.

Date: 21-Dec-00

CLIENT: GEI Consultants, Inc.
Lab Order: 0012061
Project: Canton (MDC) 00291
Lab ID: 0012061-02C

Client Sample ID: W-5
Tag Number:
Collection Date: 12/5/00
Matrix: AQUEOUS

Analyses	Result	RL	Qual Units	DF	Date Analyzed
EXTRACTABLE PETROLEUM HYDROCARBONS					
		MAEPH			Analyst: GG
C9-C18 Aliphatic Hydrocarbons	ND	1:10	µg/L	1	12/13/00 8:12:00 PM
C19-C36 Aliphatic Hydrocarbons	ND	1:10	µg/L	1	12/13/00 8:12:00 PM
✓ C11-C22 Aromatic Hydrocarbons	140	1:10	µg/L	1	12/13/00 8:12:00 PM
Naphthalene	ND	1:1	µg/L	1	12/13/00 8:12:00 PM
2-Methylnaphthalene	ND	1:1	µg/L	1	12/13/00 8:12:00 PM
Acenaphthylene	ND	1:1	µg/L	1	12/13/00 8:12:00 PM
Acenaphthene	ND	1:1	µg/L	1	12/13/00 8:12:00 PM
Fluorene	ND	1:1	µg/L	1	12/13/00 8:12:00 PM
Phenanthrene	ND	1:1	µg/L	1	12/13/00 8:12:00 PM
Anthracene	ND	1:1	µg/L	1	12/13/00 8:12:00 PM
Fluoranthene	ND	1:1	µg/L	1	12/13/00 8:12:00 PM
Pyrene	ND	1:1	µg/L	1	12/13/00 8:12:00 PM
Benz(a)anthracene	ND	1:1	µg/L	1	12/13/00 8:12:00 PM
Chrysene	ND	1:1	µg/L	1	12/13/00 8:12:00 PM
Benz(b)fluoranthene	ND	1:1	µg/L	1	12/13/00 8:12:00 PM
Benz(k)fluoranthene	ND	1:1	µg/L	1	12/13/00 8:12:00 PM
Benz(a)pyrene	ND	1:1	µg/L	1	12/13/00 8:12:00 PM
Dibenz(a,h)anthracene	ND	1:1	µg/L	1	12/13/00 8:12:00 PM
Indeno(1,2,3-cd)pyrene	ND	1:1	µg/L	1	12/13/00 8:12:00 PM
Benzo(g,h,i)perylene	ND	1:1	µg/L	1	12/13/00 8:12:00 PM
Surr: 1-Chlorooctadecane	33.8	40-140	%REC	1	12/13/00 8:12:00 PM
Surr: 2-Bromonaphthalene	55.2	40-140	%REC	1	12/13/00 8:12:00 PM
Surr: 2-Fluorobiphenyl	56.6	40-140	%REC	1	12/13/00 8:12:00 PM
Surr: o-Terphenyl	42.2	40-140	%REC	1	12/13/00 8:12:00 PM

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

CERTIFICATION

Were all QA/QC procedures required by the VPH or EPH method followed: ☒ Yes ☐ No - If No, See Case Narrative

Were all performance/acceptance standards for required QA/QC procedures achieved: ☐ Yes ☒ No - If No, See Case Narrative

Were any significant modifications made to the method as specified in section 11.3: ☐ No ☒ Yes - Details enclosed

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE:  DATE: 12-21-00
 PRINTED NAME: Sheena Blair POSITION: Laboratory Director (or designee)

Qualifiers: RL - Reporting Limit, defined as the lowest concentration the laboratory can accurately quantitate.
 ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits E - Value above quantitation range
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits # - See Case Narrative
 B - Analyte detected in the associated Method Blank

AMRO Environmental Laboratories Corp.

Date: 21-Dec-00

CLIENT: GEI Consultants, Inc.
Lab Order: 0012061
Project: Canton (MDC) 00291
Lab ID: 0012061-03C

Client Sample ID: W-6
Tag Number:
Collection Date: 12/5/00
Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EXTRACTABLE PETROLEUM HYDROCARBONS						
						Analyst: GG
C9-C18 Aliphatic Hydrocarbons	ND	100		µg/L	1	12/13/00 8:48:00 PM
\ C19-C36 Aliphatic Hydrocarbons	220	100		µg/L	1	12/13/00 8:48:00 PM
\ C11-C22 Aromatic Hydrocarbons	470	100		µg/L	1	12/13/00 8:48:00 PM
Naphthalene	ND	1.0		µg/L	1	12/13/00 8:48:00 PM
2-Methylnaphthalene	ND	1.0		µg/L	1	12/13/00 8:48:00 PM
Acenaphthylene	ND	1.0		µg/L	1	12/13/00 8:48:00 PM
Acenaphthene	ND	1.0		µg/L	1	12/13/00 8:48:00 PM
Fluorene	ND	1.0		µg/L	1	12/13/00 8:48:00 PM
Phenanthrene	ND	1.0		µg/L	1	12/13/00 8:48:00 PM
Anthracene	ND	1.0		µg/L	1	12/13/00 8:48:00 PM
Fluoranthene	ND	1.0		µg/L	1	12/13/00 8:48:00 PM
Pyrene	ND	1.0		µg/L	1	12/13/00 8:48:00 PM
Benz(a)anthracene	ND	1.0		µg/L	1	12/13/00 8:48:00 PM
Chrysene	ND	1.0		µg/L	1	12/13/00 8:48:00 PM
Benz(b)fluoranthene	ND	1.0		µg/L	1	12/13/00 8:48:00 PM
Benz(k)fluoranthene	ND	1.0		µg/L	1	12/13/00 8:48:00 PM
Benz(a)pyrene	ND	1.0		µg/L	1	12/13/00 8:48:00 PM
Dibenz(a,h)anthracene	ND	1.0		µg/L	1	12/13/00 8:48:00 PM
Indeno(1,2,3-cd)pyrene	ND	1.0		µg/L	1	12/13/00 8:48:00 PM
Benzo(g,h,i)perylene	ND	1.0		µg/L	1	12/13/00 8:48:00 PM
Surr: 1-Chlorooctadecane	39.2	40-140	S	%REC	1	12/13/00 8:48:00 PM
Surr: 2-Bromonaphthalene	94.7	40-140		%REC	1	12/13/00 8:48:00 PM
Surr: 2-Fluorobiphenyl	94.2	40-140		%REC	1	12/13/00 8:48:00 PM
Surr: o-Terphenyl	51.1	40-140		%REC	1	12/13/00 8:48:00 PM

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

CERTIFICATION

We're all QA/QC procedures required by the VPH or EPH method followed:

We're all performance/acceptance standards for required QA/QC procedures achieved:

We're any significant modifications made to the method as specified in section 11.3:

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: Sheena Blair

DATE: 12-21-00

PRINTED NAME: Sheena Blair

POSITION: Laboratory Director (or designee)

Qualifiers: RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

E - Value above quantitation range

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

- See Case Narrative

B - Analyte detected in the associated Method Blank

AMRO Environmental Laboratories Corp.

Date: 21-Dec-00

CLIENT: GEI Consultants, Inc.
Lab Order: 0012061
Project: Canton (MDC) 00291
Lab ID: 0012061-04C

Client Sample ID: W-10
Tag Number:
Collection Date: 12/5/00
Matrix: AQUEOUS

Analyses	Result	RL	Qual Units	DF	Date Analyzed
EXTRACTABLE PETROLEUM HYDROCARBONS					
		MAEPH			Analyst: GG
C9-C18 Aliphatic Hydrocarbons	ND	100	µg/L	1	12/13/00 9:23:00 PM
C19-C36 Aliphatic Hydrocarbons	ND	100	µg/L	1	12/13/00 9:23:00 PM
C11-C22 Aromatic Hydrocarbons	ND	100	µg/L	1	12/13/00 9:23:00 PM
Naphthalene	ND	1.0	µg/L	1	12/13/00 9:23:00 PM
2-Methylnaphthalene	ND	1.0	µg/L	1	12/13/00 9:23:00 PM
Acenaphthylene	ND	1.0	µg/L	1	12/13/00 9:23:00 PM
Acenaphthene	ND	1.0	µg/L	1	12/13/00 9:23:00 PM
Fluorene	ND	1.0	µg/L	1	12/13/00 9:23:00 PM
Phenanthrene	ND	1.0	µg/L	1	12/13/00 9:23:00 PM
Anthracene	ND	1.0	µg/L	1	12/13/00 9:23:00 PM
Fluoranthene	ND	1.0	µg/L	1	12/13/00 9:23:00 PM
Pyrene	ND	1.0	µg/L	1	12/13/00 9:23:00 PM
Benz(a)anthracene	ND	1.0	µg/L	1	12/13/00 9:23:00 PM
Chrysene	ND	1.0	µg/L	1	12/13/00 9:23:00 PM
Benzo(b)fluoranthene	ND	1.0	µg/L	1	12/13/00 9:23:00 PM
Benzo(k)fluoranthene	ND	1.0	µg/L	1	12/13/00 9:23:00 PM
Benzo(a)pyrene	ND	1.0	µg/L	1	12/13/00 9:23:00 PM
Dibenz(a,h)anthracene	ND	1.0	µg/L	1	12/13/00 9:23:00 PM
Indeno(1,2,3-cd)pyrene	ND	1.0	µg/L	1	12/13/00 9:23:00 PM
Benzo(g,h,i)perylene	ND	1.0	µg/L	1	12/13/00 9:23:00 PM
Surr: 1-Chlorooctadecane	60.0	40-140	%REC	1	12/13/00 9:23:00 PM
Surr: 2-Bromonaphthalene	112	40-140	%REC	1	12/13/00 9:23:00 PM
Surr: 2-Fluorobiphenyl	113	40-140	%REC	1	12/13/00 9:23:00 PM
Surr: o-Terphenyl	70.1	40-140	%REC	1	12/13/00 9:23:00 PM

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

CERTIFICATION

Were all QA/QC procedures required by the VPH or EPH method followed: ☒ Yes ☐ No - If No, See Case Narrative

Were all performance/acceptance standards for required QA/QC procedures achieved: ☒ Yes ☐ No - If No, See Case Narrative

Were any significant modifications made to the method as specified in section 11.3: ☐ No ☒ Yes - Details enclosed
I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: 

DATE: 12-21-02

PRINTED NAME: Sheena Blair

POSITION: Laboratory Director (or designee)

Qualifiers: RL - Reporting Limit, defined as the lowest concentration the laboratory can accurately quantitate.

ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits E - Value above quantitation range

J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits # - See Case Narrative

B - Analyte detected in the associated Method Blank

AMRO Environmental Laboratories Corp.

Date: 21-Dec-00

CLIENT: GEI Consultants, Inc.
Lab Order: 0012061
Project: Canton (MDC) 00291
Lab ID: 0012061-05C

Client Sample ID: W-11
Tag Number:
Collection Date: 12/5/00
Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EXTRACTABLE PETROLEUM HYDROCARBONS						
						Analyst: GG
C9-C18 Aliphatic Hydrocarbons	ND	100		µg/L	1	12/13/00 9:58:00 PM
C19-C36 Aliphatic Hydrocarbons	ND	100		µg/L	1	12/13/00 9:58:00 PM
C11-C22 Aromatic Hydrocarbons	ND	100		µg/L	1	12/13/00 9:58:00 PM
Naphthalene	ND	1.0		µg/L	1	12/13/00 9:58:00 PM
2-Methylnaphthalene	ND	1.0		µg/L	1	12/13/00 9:58:00 PM
Acenaphthylene	ND	1.0		µg/L	1	12/13/00 9:58:00 PM
Acenaphthene	ND	1.0		µg/L	1	12/13/00 9:58:00 PM
Fluorene	ND	1.0		µg/L	1	12/13/00 9:58:00 PM
Phenanthrene	ND	1.0		µg/L	1	12/13/00 9:58:00 PM
Anthracene	ND	1.0		µg/L	1	12/13/00 9:58:00 PM
Fluoranthene	ND	1.0		µg/L	1	12/13/00 9:58:00 PM
Pyrene	ND	1.0		µg/L	1	12/13/00 9:58:00 PM
Benz(a)anthracene	ND	1.0		µg/L	1	12/13/00 9:58:00 PM
Chrysene	ND	1.0		µg/L	1	12/13/00 9:58:00 PM
Benzo(b)fluoranthene	ND	1.0		µg/L	1	12/13/00 9:58:00 PM
Benzo(k)fluoranthene	ND	1.0		µg/L	1	12/13/00 9:58:00 PM
Benzo(a)pyrene	ND	1.0		µg/L	1	12/13/00 9:58:00 PM
Dibenz(a,h)anthracene	ND	1.0		µg/L	1	12/13/00 9:58:00 PM
Indeno(1,2,3-cd)pyrene	ND	1.0		µg/L	1	12/13/00 9:58:00 PM
Benzo(g,h,i)perylene	ND	1.0		µg/L	1	12/13/00 9:58:00 PM
Surr: 1-Chlorooctadecane	49.1	40-140		%REC	1	12/13/00 9:58:00 PM
Surr: 2-Bromonaphthalene	105	40-140		%REC	1	12/13/00 9:58:00 PM
Surr: 2-Fluorobiphenyl	105	40-140		%REC	1	12/13/00 9:58:00 PM
Surr: o-Terphenyl	61.1	40-140		%REC	1	12/13/00 9:58:00 PM

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

CERTIFICATION

We're all QA/QC procedures required by the VPH or EPH method followed:

We're all performance/acceptance standards for required QA/QC procedures achieved:

Yes ☒ No ☐ If No, See Case Narrative
 Yes ☒ No ☐ If No, See Case Narrative

We're any significant modifications made to the method as specified in section 11.3:

Yes ☒ No ☐ Yes - Details enclosed

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: Sheena Blair

DATE: 12-21-00

PRINTED NAME: Sheena Blair

POSITION: Laboratory Director (or designee)

Qualifiers: RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

E - Value above quantitation range

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

- See Case Narrative

B - Analyte detected in the associated Method Blank

METHOD BLANK

AMRO Environmental Laboratories Corp.

Date: 15-Dec-00

CLIENT: GEI Consultants, Inc.

Work Order: 0012061

Project: Canton (MDC) 00291

QC SUMMARY REPORT

Method Blank

Sample ID	MB-3374	Batch ID:	3374	Test Code:	MAEPH	Units:	µg/L	Analysis Date	12/13/00 1:06:00 PM	Prep Date	12/12/00	
Client ID:		Run ID:	SV-2_001213A	SeqNo:	95263							
	QC Sample			QC Spike	Original Sample				Original Sample			
Analyte	Result	RL	Units	Amount	Result	%REC	LowLimit	HighLimit	or MS Result	%RPD	RPDLimit	Qua
C9-C18 Aliphatic Hydrocarbons	ND	100	µg/L	0	0	0	0	0	0			
C19-C36 Aliphatic Hydrocarbons	ND	100	µg/L	0	0	0	0	0	0			
C11-C22 Aromatic Hydrocarbons	ND	100	µg/L	0	0	0	0	0	0			
Naphthalene	ND	1.0	µg/L	0	0	0	0	0	0			
2-Methylnaphthalene	ND	1.0	µg/L	0	0	0	0	0	0			
Acenaphthylene	ND	1.0	µg/L	0	0	0	0	0	0			
Acenaphthene	ND	1.0	µg/L	0	0	0	0	0	0			
Fluorene	ND	1.0	µg/L	0	0	0	0	0	0			
Phenanthrene	ND	1.0	µg/L	0	0	0	0	0	0			
Anthracene	ND	1.0	µg/L	0	0	0	0	0	0			
Fluoranthene	ND	1.0	µg/L	0	0	0	0	0	0			
Pyrene	ND	1.0	µg/L	0	0	0	0	0	0			
Benz(a)anthracene	ND	1.0	µg/L	0	0	0	0	0	0			
Chrysene	ND	1.0	µg/L	0	0	0	0	0	0			
Benzo(b)fluoranthene	ND	1.0	µg/L	0	0	0	0	0	0			
Benzo(k)fluoranthene	ND	1.0	µg/L	0	0	0	0	0	0			
Benzo(a)pyrene	ND	1.0	µg/L	0	0	0	0	0	0			
Dibenz(a,h)anthracene	ND	1.0	µg/L	0	0	0	0	0	0			
Indeno(1,2,3-cd)pyrene	ND	1.0	µg/L	0	0	0	0	0	0			
Benzo(g,h,i)perylene	ND	1.0	µg/L	0	0	0	0	0	0			
Surr: 1-Chlorooctadecane	15.37	1.0	µg/L	20	0	76.8	40	140	0			
Surr: 2-Bromonaphthalene	18.14	1.0	µg/L	20	0	90.7	40	140	0			
Surr: 2-Fluorobiphenyl	18.32	1.0	µg/L	20	0	91.6	40	140	0			
Surr: o-Terphenyl	13.3	1.0	µg/L	20	0	66.5	40	140	0			

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

NA - Not applicable where J values or ND results occur

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

SAMPLE AND SAMPLe DUPLICATE

AMRO Environmental Laboratories Corp.

Date: 15-Dec-00

CLIENT: GEI Consultants, Inc.

Work Order: 0012061

Project: Canton (MDC) 00291

QC SUMMARY REPORT

Sample Duplicate

Sample ID	0012100-05ADUP	Batch ID:	3374	Test Code:	MAEPH	Units:	µg/L	Analysis Date	12/14/00 2:39:00 AM	Prep Date	12/12/00	
Client ID:		Run ID:	SV-2_001213A	SeqNo:	95283							
	QC Sample			QC Spike	Original Sample				Original Sample			
Analyte	Result	RL	Units	Amount	Result	%REC	LowLimit	HighLimit	or MS Result	%RPD	RPDLimit	Qua
C9-C18 Aliphatic Hydrocarbons	ND	100	µg/L	0	0	0	0	0	0	0	50	
C19-C36 Aliphatic Hydrocarbons	ND	100	µg/L	0	0	0	0	0	0	0	50	
C11-C22 Aromatic Hydrocarbons	ND	100	µg/L	0	0	0	0	0	0	0	50	
Naphthalene	ND	1.0	µg/L	0	0	0	0	0	0	0	50	
2-Methylnaphthalene	ND	1.0	µg/L	0	0	0	0	0	0	0	50	
Acenaphthylene	ND	1.0	µg/L	0	0	0	0	0	0	0	50	
Acenaphthene	ND	1.0	µg/L	0	0	0	0	0	0	0	50	
Fluorene	ND	1.0	µg/L	0	0	0	0	0	0	0	50	
Phenanthrene	ND	1.0	µg/L	0	0	0	0	0	0	0	50	
Anthracene	ND	1.0	µg/L	0	0	0	0	0	0	0	50	
Fluoranthene	ND	1.0	µg/L	0	0	0	0	0	0	0	50	
Pyrene	ND	1.0	µg/L	0	0	0	0	0	0	0	50	
Benz(a)anthracene	ND	1.0	µg/L	0	0	0	0	0	0	0	50	
Chrysene	ND	1.0	µg/L	0	0	0	0	0	0	0	50	
Benzo(b)fluoranthene	ND	1.0	µg/L	0	0	0	0	0	0	0	50	
Benzo(k)fluoranthene	ND	1.0	µg/L	0	0	0	0	0	0	0	50	
Benzo(a)pyrene	ND	1.0	µg/L	0	0	0	0	0	0	0	50	
Dibenz(a,h)anthracene	ND	1.0	µg/L	0	0	0	0	0	0	0	50	
Indeno(1,2,3-cd)pyrene	ND	1.0	µg/L	0	0	0	0	0	0	0	50	
Benzo(g,h,i)perylene	ND	1.0	µg/L	0	0	0	0	0	0	0	50	
Surr: 1-Chlorooctadecane	14.86	1.0	µg/L	20	0	74.3	40	140	0	0	0	
Surr: 2-Bromonaphthalene	19.18	1.0	µg/L	20	0	95.9	40	140	0	0	0	
Surr: 2-Fluorobiphenyl	18.66	1.0	µg/L	20	0	93.3	40	140	0	0	0	
Surr: o-Terphenyl	15.08	1.0	µg/L	20	0	75.4	40	140	0	0	0	

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

NA - Not applicable where J values or ND results occur

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

MATRIX SPIKE

AMRO Environmental Laboratories Corp.

Date: 15-Dec-00

CLIENT: GEI Consultants, Inc.

Work Order: 0012061

Project: Canton (MDC) 00291

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID	0012061-05CMS	Batch ID:	3374	Test Code:	MAEPH	Units:	µg/L	Analysis Date	12/13/00 10:33:00 PM	Prep Date	12/12/00	
Client ID:	W-11	Run ID:	SV-2_001213A	SeqNo:	95279							
	QC Sample			QC Spike	Original Sample				Original Sample			
Analyte	Result	RL	Units	Amount	Result	%REC	LowLimit	HighLimit	or MS Result	%RPD	RPDLimit	Qua
n-Eicosane	12.56	1.0	µg/L	26.04	0	48.2	40	140	0			
n-Nonadecane	12.32	1.0	µg/L	26.04	0	47.3	40	140	0			
n-Nonane	15.76	1.0	µg/L	26.04	0	60.5	40	140	0			
n-Octacosane	12.22	1.0	µg/L	26.04	0	46.9	40	140	0			
n-Tetradecane	16.79	1.0	µg/L	26.04	0	64.5	40	140	0			
Naphthalene	18.04	1.0	µg/L	26.04	0	69.3	40	140	0			
Acenaphthene	18.31	1.0	µg/L	26.04	0	70.3	40	140	0			
Anthracene	18.57	1.0	µg/L	26.04	0	71.3	40	140	0			
Pyrene	16.06	1.0	µg/L	26.04	0	61.7	40	140	0			
Chrysene	15.22	1.0	µg/L	26.04	0	58.4	40	140	0			
Surr: 1-Chlorooctadecane	9.104	1.0	µg/L	20.83	0	43.7	40	140	0			
Surr: 2-Bromonaphthalene	19.9	1.0	µg/L	20.83	0	95.5	40	140	0			
Surr: 2-Fluorobiphenyl	20.14	1.0	µg/L	20.83	0	96.7	40	140	0			
Surr: o-Terphenyl	12.26	1.0	µg/L	20.83	0	58.8	40	140	0			

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

NA - Not applicable where J values or ND results occur

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

LABORATORY CONTROL SAMPLE

AMRO Environmental Laboratories Corp.

Date: 15-Dec-00

CLIENT: GEI Consultants, Inc.

Work Order: 0012061

Project: Canton (MDC) 00291

QC SUMMARY REPORT

Laboratory Control Spike

Sample ID	LCS-3374	Batch ID:	3374	Test Code:	MAEPH	Units:	µg/L	Analysis Date	12/13/00 1:41:00 PM	Prep Date	12/12/00	
Client ID:		Run ID:	SV-2_001213A	SeqNo:	95264							
	QC Sample			QC Spike	Original Sample				Original Sample			
Analyte	Result	RL	Units	Amount	Result	%REC	LowLimit	HighLimit	or MS Result	%RPD	RPDLimit	Qua
n-Eicosane	21.68	1.0	µg/L	25	0	86.7	40	140	0			
n-Nonadecane	21	1.0	µg/L	25	0	84	40	140	0			
n-Nonane	16.79	1.0	µg/L	25	0	67.2	40	140	0			
n-Octacosane	23.04	1.0	µg/L	25	0	92.2	40	140	0			
n-Tetradecane	19.37	1.0	µg/L	25	0	77.5	40	140	0			
Naphthalene	19.83	1.0	µg/L	25	0	79.3	40	140	0			
Acenaphthene	19.96	1.0	µg/L	25	0	79.9	40	140	0			
Anthracene	21.32	1.0	µg/L	25	0	85.3	40	140	0			
Pyrene	19.49	1.0	µg/L	25	0	78	40	140	0			
Chrysene	19.04	1.0	µg/L	25	0	76.1	40	140	0			
Surr: 1-Chlorooctadecane	15.96	1.0	µg/L	20	0	79.8	40	140	0			
Surr: 2-Bromonaphthalene	20.31	1.0	µg/L	20	0	102	40	140	0			
Surr: 2-Fluorobiphenyl	20.66	1.0	µg/L	20	0	103	40	140	0			
Surr: o-Terphenyl	14.68	1.0	µg/L	20	0	73.4	40	140	0			

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

NA - Not applicable where J values or ND results occur

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

PCB-WATER

SW-846 METHOD 8082

SAMPLE RESULTS

AMRO Environmental Laboratories Corp.

Date: 21-Dec-00

CLIENT: GEI Consultants, Inc.

Lab Order: 0012061

Project: Canton (MDC) 00291

Lab ID: 0012061-01D

Client Sample ID: W-1

Collection Date: 12/5/00

Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCBS BY EPA8082						
SW8082						
Aroclor 1016	ND	0.20		µg/L	1	Analyst: RAP 12/12/00 9:52:00 PM
Aroclor 1221	ND	0.20		µg/L	1	12/12/00 9:52:00 PM
Aroclor 1232	ND	0.20		µg/L	1	12/12/00 9:52:00 PM
Aroclor 1242	ND	0.20		µg/L	1	12/12/00 9:52:00 PM
Aroclor 1248	ND	0.20		µg/L	1	12/12/00 9:52:00 PM
Aroclor 1254	ND	0.20		µg/L	1	12/12/00 9:52:00 PM
Aroclor 1260	ND	0.20		µg/L	1	12/12/00 9:52:00 PM
Surr: Decachlorobiphenyl	46.1	32-111		%REC	1	12/12/00 9:52:00 PM
Surr: Tetrachloro-m-xylene	60.8	36-110		%REC	1	12/12/00 9:52:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

RL - Reporting Limit, defined as the lowest concentration the laboratory can accurately quantitate.

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

- See Case Narrative

AMRO Environmental Laboratories Corp.

Date: 21-Dec-00

CLIENT: GEI Consultants, Inc.
Lab Order: 0012061
Project: Canton (MDC) 00291
Lab ID: 0012061-02D

Client Sample ID: W-5
Collection Date: 12/5/00
Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCBS BY EPA8082						
		SW8082		Analyst: RAP		
Aroclor 1016	ND	0.22		µg/L	1	12/12/00 10:23:00 PM
Aroclor 1221	ND	0.22		µg/L	1	12/12/00 10:23:00 PM
Aroclor 1232	ND	0.22		µg/L	1	12/12/00 10:23:00 PM
Aroclor 1242	ND	0.22		µg/L	1	12/12/00 10:23:00 PM
Aroclor 1248	ND	0.22		µg/L	1	12/12/00 10:23:00 PM
Aroclor 1254	ND	0.22		µg/L	1	12/12/00 10:23:00 PM
Aroclor 1260	ND	0.22		µg/L	1	12/12/00 10:23:00 PM
Surr: Decachlorobiphenyl	60.5	32-111		%REC	1	12/12/00 10:23:00 PM
Surr: Tetrachloro-m-xylene	61.8	36-110		%REC	1	12/12/00 10:23:00 PM

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	* - Value exceeds Maximum Contaminant Level	# - See Case Narrative
	RL - Reporting Limit, defined as the lowest concentration the laboratory can accurately quantitate.	

AMRO Environmental Laboratories Corp.

Date: 21-Dec-00

CLIENT:	GEI Consultants, Inc.	Client Sample ID:	W-6
Lab Order:	0012061	Collection Date:	12/5/00
Project:	Canton (MDC) 00291	Matrix:	AQUEOUS
Lab ID:	0012061-03D		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCBS BY EPA8082						
		SW8082				
Aroclor 1016	ND	0.21		µg/L	1	Analyst: RAP 12/12/00 10:55:00 PM
Aroclor 1221	ND	0.21		µg/L	1	12/12/00 10:55:00 PM
Aroclor 1232	ND	0.21		µg/L	1	12/12/00 10:55:00 PM
Aroclor 1242	ND	0.21		µg/L	1	12/12/00 10:55:00 PM
Aroclor 1248	ND	0.21		µg/L	1	12/12/00 10:55:00 PM
Aroclor 1254	ND	0.21		µg/L	1	12/12/00 10:55:00 PM
Aroclor 1260	ND	0.21		µg/L	1	12/12/00 10:55:00 PM
Surr: Decachlorobiphenyl	40.2	32-111		%REC	1	12/12/00 10:55:00 PM
Surr: Tetrachloro-m-xylene	49.9	36-110		%REC	1	12/12/00 10:55:00 PM

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	* - Value exceeds Maximum Contaminant Level	# - See Case Narrative
	RL - Reporting Limit, defined as the lowest concentration the laboratory can accurately quantitate.	

AMRO Environmental Laboratories Corp.

Date: 21-Dec-00

CLIENT: GEI Consultants, Inc.

Lab Order: 0012061

Project: Canton (MDC) 00291

Lab ID: 0012061-04D

Client Sample ID: W-10

Collection Date: 12/5/00

Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCBS BY EPA8082						
SW8082						
Aroclor 1016	ND	0.20		µg/L	1	Analyst: RAP 12/12/00 11:26:00 PM
Aroclor 1221	ND	0.20		µg/L	1	12/12/00 11:26:00 PM
Aroclor 1232	ND	0.20		µg/L	1	12/12/00 11:26:00 PM
Aroclor 1242	ND	0.20		µg/L	1	12/12/00 11:26:00 PM
Aroclor 1248	ND	0.20		µg/L	1	12/12/00 11:26:00 PM
Aroclor 1254	ND	0.20		µg/L	1	12/12/00 11:26:00 PM
~ Aroclor 1260	3.7	0.20		µg/L	1	12/12/00 11:26:00 PM
Surr: Decachlorobiphenyl	64.4	32-111		%REC	1	12/12/00 11:26:00 PM
Surr: Tetrachloro-m-xylene	66.5	36-110		%REC	1	12/12/00 11:26:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

RL - Reporting Limit, defined as the lowest concentration the laboratory can accurately quantitate.

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

- See Case Narrative

AMRO Environmental Laboratories Corp.

Date: 21-Dec-00

CLIENT:	GEI Consultants, Inc.	Client Sample ID:	W-11
Lab Order:	0012061	Collection Date:	12/5/00
Project:	Canton (MDC) 00291	Matrix:	AQUEOUS
Lab ID:	0012061-05D		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCBS BY EPA8082						
		SW8082				Analyst: RAP
Aroclor 1016	ND	0.21		µg/L	1	12/12/00 11:57:00 PM
Aroclor 1221	ND	0.21		µg/L	1	12/12/00 11:57:00 PM
Aroclor 1232	ND	0.21		µg/L	1	12/12/00 11:57:00 PM
Aroclor 1242	ND	0.21		µg/L	1	12/12/00 11:57:00 PM
Aroclor 1248	ND	0.21		µg/L	1	12/12/00 11:57:00 PM
Aroclor 1254	ND	0.21		µg/L	1	12/12/00 11:57:00 PM
Aroclor 1260	0.24	0.21		µg/L	1	12/12/00 11:57:00 PM
Surr: Decachlorobiphenyl	51.1	32-111		%REC	1	12/12/00 11:57:00 PM
Surr: Tetrachloro-m-xylene	50.1	36-110		%REC	1	12/12/00 11:57:00 PM

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	* - Value exceeds Maximum Contaminant Level	# - See Case Narrative
	RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.	

METHOD BLANK

AMRO Environmental Laboratories Corp.

Date: 15-Dec-00

CLIENT: GEI Consultants, Inc.

Work Order: 0012061

Project: Canton (MDC) 00291

QC SUMMARY REPORT

Method Blank

Sample ID	MB-3356	Batch ID:	3356	Test Code:	SW8082	Units:	µg/L	Analysis Date	12/12/00 8:19:00 PM	Prep Date	12/11/00	
Client ID:		Run ID:	GC-DALI_001212A	SeqNo:	94662							
	QC Sample		QC Spike	Original Sample					Original Sample			
Analyte	Result	RL	Units	Amount	Result	%REC	LowLimit	HighLimit	or MS Result	%RPD	RPDLimit	Qua
Aroclor 1016	ND	0.50	µg/L									
Aroclor 1221	ND	0.50	µg/L									
Aroclor 1232	ND	0.50	µg/L									
Aroclor 1242	ND	0.50	µg/L									
Aroclor 1248	ND	0.50	µg/L									
Aroclor 1254	ND	1.0	µg/L									
Aroclor 1260	ND	1.0	µg/L									
Surr: Decachlorobiphenyl	0.05082	0	µg/L	0.064	0	79.4	32	111	0			
Surr: Tetrachloro-m-xylene	0.03947	0	µg/L	0.064	0	61.7	36	110	0			

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

NA - Not applicable where J values or ND results occur

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

MATRIX SPIKE

AMRO Environmental Laboratories Corp.

Date: 15-Dec-00

CLIENT: GEI Consultants, Inc.

Work Order: 0012061

Project: Canton (MDC) 00291

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID	0012097-01BMS	Batch ID:	3356	Test Code:	SW8082	Units:	µg/L	Analysis Date	12/13/00 1:30:00 AM	Prep Date	12/11/00	
Client ID:		Run ID:	GC-DALI_001212A	SeqNo:	94672							
	QC Sample			QC Spike	Original Sample				Original Sample			
Analyte	Result	RL	Units	Amount	Result	%REC	LowLimit	HighLimit	or MS Result	%RPD	RPDLimit	Qua
Aroclor 1016	3.582	0.51	µg/L	4.082	0	87.8	40	119	0			
Aroclor 1260	3.683	1.0	µg/L	4.082	0	90.2	42	124	0			
Surr: Decachlorobiphenyl	0.04611	0	µg/L	0.06531	0	70.6	32	111	0			
Surr: Tetrachloro-m-xylene	0.04844	0	µg/L	0.06531	0	74.2	36	110	0			

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

NA - Not applicable where J values or ND results occur

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

LABORATORY CONTROL SAMPLE/LABORATORY

CONTROL SAMPLE DUPLICATE

PCB-SOIL

SW-846 METHOD 8082

SAMPLE RESULTS

AMRO Environmental Laboratories Corp.

Date: 28-Dec-00

CLIENT:	GEI Consultants, Inc.	Client Sample ID:	Debris
Lab Order:	0012061	Collection Date:	12/4/00
Project:	Canton (MDC) 00291	Matrix:	SOIL
Lab ID:	0012061-07A		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCBS BY EPA8082						
		SW8082				Analyst: RAP
Aroclor 1016	ND	24		µg/Kg-dry	1	12/13/00 6:10:00 AM
Aroclor 1221	ND	24		µg/Kg-dry	1	12/13/00 6:10:00 AM
Aroclor 1232	ND	24		µg/Kg-dry	1	12/13/00 6:10:00 AM
Aroclor 1242	ND	24		µg/Kg-dry	1	12/13/00 6:10:00 AM
Aroclor 1248	ND	24		µg/Kg-dry	1	12/13/00 6:10:00 AM
Aroclor 1254	ND	24		µg/Kg-dry	1	12/13/00 6:10:00 AM
Aroclor 1260	970	24		µg/Kg-dry	1	12/13/00 6:10:00 AM
Surr: Tetrachloro-m-xylene	77.1	43-117		%REC	1	12/13/00 6:10:00 AM
Surr: Decachlorobiphenyl	464	36-130	S	%REC	1	12/13/00 6:10:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	E - Value above quantitation range
* - Value exceeds Maximum Contaminant Level	# - See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: 21-Dec-00

CLIENT:	GEI Consultants, Inc.	Client Sample ID:	Debris
Lab Order:	0012061		
Project:	Canton (MDC) 00291	Collection Date:	12/4/00
Lab ID:	0012061-07A	Matrix:	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE		D2216				Analyst: SL
Percent Moisture	1.3	0		wt%	1	12/12/00

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	* - Value exceeds Maximum Contaminant Level	# - See Case Narrative
	RL - Reporting Limit, defined as the lowest concentration the laboratory can accurately quantitate.	

METHOD BLANK

AMRO Environmental Laboratories Corp.

Date: 28-Dec-00

CLIENT: GEI Consultants, Inc.

Work Order: 0012061

Project: Canton (MDC) 00291

QC SUMMARY REPORT

Method Blank

Sample ID	MB-3364	Batch ID:	3364	Test Code:	SW8082	Units:	µg/Kg	Analysis Date	12/13/00 5:08:00 AM	Prep Date	12/11/00	
Client ID:		Run ID:	GC-DALI_001212B	SeqNo:	94887							
	QC Sample			QC Spike	Original Sample				Original Sample			
Analyte	Result	RL	Units	Amount	Result	%REC	LowLimit	HighLimit	or MS Result	%RPD	RPDLimit	Qua
Aroclor 1016	ND	80	µg/Kg									
Aroclor 1221	ND	80	µg/Kg									
Aroclor 1232	ND	80	µg/Kg									
Aroclor 1242	ND	80	µg/Kg									
Aroclor 1248	ND	80	µg/Kg									
Aroclor 1254	ND	160	µg/Kg									
Aroclor 1260	ND	160	µg/Kg									
Surr: Tetrachloro-m-xylene	5.77	0	µg/Kg	8	0	72.1	43	117	0			
Surr: Decachlorobiphenyl	6.959	0	µg/Kg	8	0	87	36	130	0			

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

NA - Not applicable where J values or ND results occur

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

MATRIX SPIKE AND MATRIX SPIKE DUPLICATE

AMRO Environmental Laboratories Corp.

Date: 28-Dec-00

CLIENT: GEI Consultants, Inc.

Work Order: 0012061

Project: Canton (MDC) 00291

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID	0012090-02BMS	Batch ID:	3364	Test Code:	SW8082	Units:	µg/Kg-dry	Analysis Date	12/13/00 7:12:00 AM	Prep Date	12/11/00	
Client ID:		Run ID:	GC-DALI_001212B	SeqNo:	94891							
	QC Sample			QC Spike	Original Sample				Original Sample			
Analyte	Result	RL	Units	Amount	Result	%REC	LowLimit	HighLimit	or MS Result	%RPD	RPDLimit	Qua
Aroclor 1016	461.8	95	µg/Kg-dry	591.3	0	78.1	41	125	0			
Aroclor 1260	496.3	190	µg/Kg-dry	591.3	0	83.9	39	120	0			
Surr: Tetrachloro-m-xylene	7.5	0	µg/Kg-dry	9.46	0	79.3	43	117	0			
Surr: Decachlorobiphenyl	8.504	0	µg/Kg-dry	9.46	0	89.9	36	130	0			

Sample ID	0012090-02BMSD	Batch ID:	3364	Test Code:	SW8082	Units:	µg/Kg-dry	Analysis Date	12/13/00 7:43:00 AM	Prep Date	12/11/00	
Client ID:		Run ID:	GC-DALI_001212B	SeqNo:	94892							
	QC Sample			QC Spike	Original Sample				Original Sample			
Analyte	Result	RL	Units	Amount	Result	%REC	LowLimit	HighLimit	or MS Result	%RPD	RPDLimit	Qua
Aroclor 1016	468.4	94	µg/Kg-dry	588.7	0	79.6	41	125	461.8	1.42	50	
Aroclor 1260	469.3	190	µg/Kg-dry	588.7	0	79.7	39	120	496.3	5.61	50	
Surr: Tetrachloro-m-xylene	7.301	0	µg/Kg-dry	9.419	0	77.5	43	117	0	0	0	
Surr: Decachlorobiphenyl	8.017	0	µg/Kg-dry	9.419	0	85.1	36	130	0	0	0	

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

NA - Not applicable where J values or ND results occur

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

LABORATORY CONTROL SAMPLE

AMRO Environmental Laboratories Corp.

Date: 28-Dec-00

CLIENT: GEI Consultants, Inc.

Work Order: 0012061

Project: Canton (MDC) 00291

QC SUMMARY REPORT

Laboratory Control Spike

Sample ID	LCS-3364	Batch ID:	3364	Test Code:	SW8082	Units:	µg/Kg	Analysis Date	12/13/00 5:39:00 AM	Prep Date	12/11/00	
Client ID:		Run ID:	GC-DALI_001212B	SeqNo:	94888							
	QC Sample			QC Spike	Original Sample				Original Sample			
Analyte	Result	RL	Units	Amount	Result	%REC	LowLimit	HighLimit	or MS Result	%RPD	RPDLimit	Qua
Aroclor 1016	391	80	µg/Kg	500	0	78.2	60	118	0			
Aroclor 1260	407.9	160	µg/Kg	500	0	81.6	61	125	0			
Surr: Tetrachloro-m-xylene	6.502	0	µg/Kg	8	0	81.3	43	117	0			
Surr: Decachlorobiphenyl	6.77	0	µg/Kg	8	0	84.6	36	130	0			

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

NA - Not applicable where J values or ND results occur

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

TRACE METALS - WATER

SW-846 METHODS:6010B & 7000 SERIES

SAMPLE RESULTS

AMRO Environmental Laboratories Corp.

Date: 28-Dec-00

CLIENT: GEI Consultants, Inc.
Lab Order: 0012061
Project: Canton (MDC) 00291
Lab ID: 0012061-01E

Client Sample ID: W-1
Collection Date: 12/5/00
Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS DISSOLVED SW-846						
Barium	ND	SW6010B	200	µg/L	1	Analyst: REB 12/13/00 1:36:05 PM
Cadmium	ND		5.0	µg/L	1	12/13/00 1:36:05 PM
Chromium	ND		10	µg/L	1	12/13/00 1:36:05 PM
Silver	ND		7.0	µg/L	1	12/13/00 1:36:05 PM
ARSENIC, DISSOLVED						
Arsenic	ND	SW7060A	5.0	µg/L	1	Analyst: AP L 12/14/00
MERCURY, DISSOLVED						
Mercury	ND	SW7470A	0.20	µg/L	1	Analyst: MT 12/13/00
LEAD, DISSOLVED						
Lead	ND	SW7421	5.0	µg/L	1	Analyst: AP L 12/15/00
SELENIUM, DISSOLVED						
Selenium	ND	SW7740	5.0	µg/L	1	Analyst: AP L 12/14/00

Qualifiers:

ND - Not Detected at the Reporting Limit
 S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits
 R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank
 E - Value above quantitation range
 * - Value exceeds Maximum Contaminant Level
 # - See Case Narrative
 RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: 28-Dec-00

CLIENT: GEI Consultants, Inc.
Lab Order: 0012061
Project: Canton (MDC) 00291
Lab ID: 0012061-02E

Client Sample ID: W-5
Collection Date: 12/5/00
Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS DISSOLVED SW-846						
Barium	ND	200		µg/L	1	Analyst: REB 12/13/00 1:39:32 PM
Cadmium	ND	5.0		µg/L	1	12/13/00 1:39:32 PM
Chromium	ND	10		µg/L	1	12/13/00 1:39:32 PM
Silver	ND	7.0		µg/L	1	12/13/00 1:39:32 PM
ARSENIC, DISSOLVED						
Arsenic	ND	5.0		µg/L	1	Analyst: APPL 12/14/00
MERCURY, DISSOLVED						
Mercury	ND	0.20		µg/L	1	Analyst: MT 12/13/00
LEAD, DISSOLVED						
Lead	ND	5.0		µg/L	1	Analyst: APPL 12/15/00
SELENIUM, DISSOLVED						
Selenium	ND	5.0		µg/L	1	Analyst: APPL 12/14/00

Qualifiers:

ND - Not Detected at the Reporting Limit
 S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits
 R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank
 E - Value above quantitation range
 * - Value exceeds Maximum Contaminant Level
 # - See Case Narrative
 RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: 28-Dec-00

CLIENT: GEI Consultants, Inc.
Lab Order: 0012061
Project: Canton (MDC) 00291
Lab ID: 0012061-03E

Client Sample ID: W-6
Collection Date: 12/5/00
Matrix: AQUEOUS

Analyses	Result	RL	Qual Units	DF	Date Analyzed
ICP METALS DISSOLVED SW-846					
Barium	ND	200	µg/L	1	Analyst: REB 12/13/00 1:44:04 PM
Cadmium	ND	5.0	µg/L	1	12/13/00 1:44:04 PM
Chromium	16	10	µg/L	1	12/13/00 1:44:04 PM
Silver	ND	7.0	µg/L	1	12/13/00 1:44:04 PM
ARSENIC, DISSOLVED					
Arsenic	ND	5.0	µg/L	1	Analyst: APL 12/14/00
MERCURY, DISSOLVED					
Mercury	ND	0.20	µg/L	1	Analyst: MT 12/13/00
LEAD, DISSOLVED					
Lead	ND	5.0	µg/L	1	Analyst: APL 12/19/00
SELENIUM, DISSOLVED					
Selenium	ND	5.0	µg/L	1	Analyst: APL 12/14/00

Qualifiers:

ND - Not Detected at the Reporting Limit
 S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits
 R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank
 E - Value above quantitation range
 * - Value exceeds Maximum Contaminant Level
 # - See Case Narrative
 RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: 28-Dec-00

CLIENT: GEI Consultants, Inc.
Lab Order: 0012061
Project: Canton (MDC) 00291
Lab ID: 0012061-04E

Client Sample ID: W-10
Collection Date: 12/5/00
Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS DISSOLVED SW-846						
Barium	ND	200		µg/L	1	Analyst: REB 12/13/00 1:48:36 PM
Cadmium	ND	5.0		µg/L	1	12/13/00 1:48:36 PM
Chromium	10	10		µg/L	1	12/13/00 1:48:36 PM
Silver	ND	7.0		µg/L	1	12/13/00 1:48:36 PM
ARSENIC, DISSOLVED						
Arsenic	ND	5.0		µg/L	1	Analyst: APL 12/14/00
MERCURY, DISSOLVED						
Mercury	ND	0.20		µg/L	1	Analyst: MT 12/13/00
LEAD, DISSOLVED						
Lead	ND	5.0		µg/L	1	Analyst: APL 12/15/00
SELENIUM, DISSOLVED						
Selenium	ND	5.0		µg/L	1	Analyst: APL 12/14/00

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank E - Value above quantitation range
* - Value exceeds Maximum Contaminant Level # - See Case Narrative
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: 28-Dec-00

CLIENT: GEI Consultants, Inc.
Lab Order: 0012061
Project: Canton (MDC) 00291
Lab ID: 0012061-05E

Client Sample ID: W-11

Collection Date: 12/5/00
Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS DISSOLVED SW-846						
Barium	ND	SW6010B	200	µg/L	1	Analyst: REB 12/13/00 1:52:07 PM
Cadmium	ND		5.0	µg/L	1	12/13/00 1:52:07 PM
Chromium	13		10	µg/L	1	12/13/00 1:52:07 PM
Silver	ND		7.0	µg/L	1	12/13/00 1:52:07 PM
ARSENIC, DISSOLVED						
Arsenic	ND	SW7060A	5.0	µg/L	1	Analyst: APL 12/14/00
MERCURY, DISSOLVED						
Mercury	ND	SW7470A	0.20	µg/L	1	Analyst: MT 12/13/00
LEAD, DISSOLVED						
Lead	ND	SW7421	5.0	µg/L	1	Analyst: APL 12/15/00
SELENIUM, DISSOLVED						
Selenium	ND	SW7740	5.0	µg/L	1	Analyst: APL 12/14/00

Qualifiers:

ND - Not Detected at the Reporting Limit
 S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits
 R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank
 E - Value above quantitation range
 * - Value exceeds Maximum Contaminant Level
 # - See Case Narrative
 RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

METHOD BLANK

10/1/11
10/1/11
10/1/11

AMRO Environmental Laboratories Corp.

Date: 19-Dec-00

CLIENT: GEI Consultants, Inc.

Work Order: 0012061

Project: Canton (MDC) 00291

QC SUMMARY REPORT

Method Blank

Sample ID: MB-3359		Batch ID: 3359		Test Code: SW6010B		Units: µg/L		Analysis Date 12/13/00 12:51:28 PM		Prep Date: 12/12/00		
Client ID:				Run ID: ICP-OPTIMA_001213A				SeqNo: 94772				
Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qu
Barium	ND	200	µg/L									
Cadmium	ND	5.0	µg/L									
Chromium	ND	10	µg/L									
Silver	ND	7.0	µg/L									

Sample ID: MB-3359		Batch ID: 3359		Test Code: SW7060A		Units: µg/L		Analysis Date 12/14/00		Prep Date: 12/12/00		
Client ID:				Run ID: GFAA-4100_001214A				SeqNo: 95692				
Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qu
Arsenic	ND	5.0	µg/L									

Sample ID: MB-3372		Batch ID: 3372		Test Code: SW7470A		Units: µg/L		Analysis Date 12/13/00		Prep Date: 12/13/00		
Client ID:				Run ID: HG-FIMS_001213C				SeqNo: 94931				
Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qu
Mercury	ND	0.20	µg/L									

Sample ID: MB-3359		Batch ID: 3359		Test Code: SW7421		Units: µg/L		Analysis Date 12/15/00		Prep Date: 12/12/00		
Client ID:				Run ID: GFAA-4100_001214A				SeqNo: 95746				
Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qu
Lead	ND	5.0	µg/L									

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: 19-Dec-00

CLIENT: GEI Consultants, Inc.

Work Order: 0012061

Project: Canton (MDC) 00291

QC SUMMARY REPORT

Method Blank

Sample ID: MB-3359	Batch ID: 3359	Test Code: SW7740	Units: µg/L	Analysis Date: 12/14/00	Prep Date: 12/12/00						
Client ID:		Run ID: GFAA-4100_001214A		SeqNo: 95693							
Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result %REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qu
Selenium	ND	5.0	µg/L								

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: 19-Dec-00

CLIENT: GEI Consultants, Inc.

Work Order: 0012061

Project: Canton (MDC) 00291

QC SUMMARY REPORT

Sample Matrix Spike Duplicate

Sample ID: 0012082-01BMSD		Batch ID: 3359		Test Code: SW7060A		Units: µg/L		Analysis Date 12/14/00		Prep Date: 12/12/00		
Client ID:				Run ID: GFAA-4100_001214A				SeqNo: 95648				
Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qu
Arsenic	55.88	5.0	µg/L	50	0	112	75	125	58.47	4.53	20	
Sample ID: 0012066-01CMS		Batch ID: 3372		Test Code: SW7470A		Units: µg/L		Analysis Date 12/13/00		Prep Date: 12/13/00		
Client ID:				Run ID: HG-FIMS_001213C				SeqNo: 94918				
Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qu
Mercury	2.575	0.20	µg/L	4	0	64.4	75	125	0			S
Sample ID: 0012066-01CMSD		Batch ID: 3372		Test Code: SW7470A		Units: µg/L		Analysis Date 12/13/00		Prep Date: 12/13/00		
Client ID:				Run ID: HG-FIMS_001213C				SeqNo: 94919				
Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qu
Mercury	2.613	0.20	µg/L	4	0	65.3	75	125	2.575	1.47	20	S
Sample ID: 0012082-01BMS		Batch ID: 3359		Test Code: SW7421		Units: µg/L		Analysis Date 12/15/00		Prep Date: 12/12/00		
Client ID:				Run ID: GFAA-4100_001214A				SeqNo: 95705				
Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qu
Lead	42	5.0	µg/L	50	0	84	75	125	0			

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

MATRIX SPIKE & MATRIX SPIKE DUPLICATE

AMRO Environmental Laboratories Corp.

Date: 19-Dec-00

CLIENT: GEI Consultants, Inc.

Work Order: 0012061

Project: Canton (MDC) 00291

QC SUMMARY REPORT

Sample Matrix Spike Duplicate

Sample ID: 0012082-01BMSD		Batch ID: 3359	Test Code: SW7421		Units: µg/L		Analysis Date 12/15/00		Prep Date: 12/12/00			
Client ID:			Run ID: GFAA-4100_001214A				SeqNo: 95706					
Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qu
Lead	42.86	5.0	µg/L	50	0	85.7	75	125	42	2.04	20	
Sample ID: 0012082-01BMS		Batch ID: 3359	Test Code: SW7740		Units: µg/L		Analysis Date 12/14/00		Prep Date: 12/12/00			
Client ID:			Run ID: GFAA-4100_001214A				SeqNo: 95647					
Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qu
Selenium	32.12	5.0	µg/L	40	0	80.3	75	125	0			
Sample ID: 0012082-01BMSD		Batch ID: 3359	Test Code: SW7740		Units: µg/L		Analysis Date 12/14/00		Prep Date: 12/12/00			
Client ID:			Run ID: GFAA-4100_001214A				SeqNo: 95649					
Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qu
Selenium	32.31	5.0	µg/L	40	0	80.8	75	125	32.12	0.561	20	

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

LABORATORY CONTROL SAMPLE

AMRO Environmental Laboratories Corp.

Date: 19-Dec-00

CLIENT: GEI Consultants, Inc.

Work Order: 0012061

Project: Canton (MDC) 00291

QC SUMMARY REPORT

Laboratory Control Spike

Sample ID: LCS-3359	Batch ID: 3359	Test Code: SW6010B	Units: µg/L	Analysis Date 12/13/00 12:54:59 PM				Prep Date: 12/12/00				
Client ID:		Run ID: ICP-OPTIMA_001213A		SeqNo: 94773								
Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qu
Barium	4031	200	µg/L	4000	0	101	80	120	0			
Cadmium	794.2	5.0	µg/L	800	0	99.3	80	120	0			
Chromium	4005	10	µg/L	4000	0	100	80	120	0			
Silver	390.6	7.0	µg/L	400	0	97.6	80	120	0			

Sample ID: LCS-3359	Batch ID: 3359	Test Code: SW7060A	Units: µg/L	Analysis Date 12/14/00				Prep Date: 12/12/00				
Client ID:		Run ID: GFAA-4100_001214A		SeqNo: 95688								
Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qu
Arsenic	52.79	5.0	µg/L	50	0	106	80	120	0			

Sample ID: LCS-3372	Batch ID: 3372	Test Code: SW7470A	Units: µg/L	Analysis Date 12/13/00				Prep Date: 12/13/00				
Client ID:		Run ID: HG-FIMS_001213C		SeqNo: 94930								
Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qu
Mercury	3.917	0.20	µg/L	4	0	97.9	80	120	0			

Sample ID: LCS-3359	Batch ID: 3359	Test Code: SW7421	Units: µg/L	Analysis Date 12/15/00				Prep Date: 12/12/00				
Client ID:		Run ID: GFAA-4100_001214A		SeqNo: 95744								
Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qu
Lead	52.63	5.0	µg/L	50	0	105	80	120	0			

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: 19-Dec-00

CLIENT: GEI Consultants, Inc.

Work Order: 0012061

Project: Canton (MDC) 00291

QC SUMMARY REPORT

Laboratory Control Spike

Sample ID: LCS-3359		Batch ID: 3359		Test Code: SW7740		Units: µg/L		Analysis Date: 12/14/00			Prep Date: 12/12/00	
Client ID:		Run ID:		GFAA-4100_001214A				SeqNo:		95689		
Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qu
Selenium	39.38	5.0	µg/L	40	0	98.5	80	120	0			

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.